

D

70-0001 to 70-0150

70-C-0001 EG&G, Inc. (Las Vegas)

CPFF (a)(11)

No

Contractor

Status

Contract Type
& Authority(18 Aug 69 - 31 Aug 70) (pre-contract fm 15 Jun 69)
\$15,000.00SUBJECT:
TCDT-N

DIANA MIST Project 8.55

\$ 244,804.00

LTC George J. Eubal, TC

Mod 1

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Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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Sent to FRCEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

Total \$ 244,804.00

PAID 241,080.86

Refund: \$ 3,723.14

Completed: 28 Sep 70

acc CLOSED:

CLOSED 3 Sep 75

No	Contractor	Status	Contract Type & Authority
	(1 Jul 69 - 31 Oct 70)	(pre-contract in N/A)	

SUBJECT: DIANA MIST, Project 8.51
TCDT-N

\$493,869.00

Major Hal N. Craig, TC

Mod 1	Magnetic Field Measurements . (J32UAXAX874)	\$ 16,710.00
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Mod 2	Provide magnetic field mapping for the DIANA MIST Event. 70 NWET J32UAXAX873 03	\$ 46,760.00
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Mod 3	Correct appropriation in RECEIPT P002	\$ ---
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Mod 4	Incorporation of OH rates. 69,70871	\$ --
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FROENK Sep 72

10 L3 L33.500 Jul 78

Brought Forward \$

Finance Completed:

Total \$ 557,339.00

PAID: 557,076.24

Contract CLOSED:

Refund: \$ 262.76

8 Jun 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(7 Jul 69 - 6 Nov 70)	(pre-contract in N/A)	

SUBJECT: DIANA MIST , Project 9.64
TCDT-N

\$ 83,275.00

Donald B. Hente
Maj Hal N. Craig, TC

Mod 1	Procure materials and provide fabrication services as required to furnish the necessary equip. for transducers excitation, read out and data telemetry.	\$ 18,476.00
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Mod 2	Novation Agreement.	\$ ---
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FRCEIN: FEB 1977

To be Destroyed Oct 82

Brought Forward \$

Completed: 30 Oct 70

Total PAID	\$ 101,751.00
	<u>101,751.00</u>

Contract CLOSED:

CLOSED 23 Jan 76

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(4 Aug 69 - 15 Dec 69)	(pre-contract fm N/A)	

SUBJECT: A Development Planning and Evaluation Study of Future DASA
Underground Test Bed Facilities.

\$ 96,153.00

Maj. J. P. Goncz, TC

Mod 1 Time extension to 16 Feb 70.

\$ ----

Mod 2 Incorporation of OH rates for 1969 and 1970

\$ ---

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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Brought Forward

\$

Performance Completed:

6 Feb 70

Sent to FRCEN: May 72
To be Destroyed: Jul 77

Total

\$ 96,153.00

PAID:

\$ 95,517.90

Contract CLOSED:

Refund:

\$ 635.10

CLOSED

No	Contractor	Status	Contract Type & Authority
	(15 Sep 69 - 15 Aug 70)	(pre-contract fm N/A)	

SUBJECT: Data reduction and analysis in connection with vertical rockets \$ 37,670.00
 RAAE (FY70 NWER HB 049) 01

Lt John Schroeder, RAAE

Mod 1	Time extension to 3 Jan 71. Update OH Clause.	\$	---
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Mod 2		\$	
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Mod 3		\$	
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Mod 4		\$	
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Mod 5		\$	
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Mod 6		\$	
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Mod 7		\$	
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Mod 8		\$	
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Sent to FRCEN: SEP 1975
 To be Destroyed Jul 1981

Brought Forward	\$
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Performance Completed: 3 Jan 71

Total	\$37,670.00
PAID	<u>37,670.00</u>

Contract CLOSED: **CLOSED** 12 Feb 75

Refund:	\$ -0-
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No	Contractor	Status	Contract Type & Authority
	(4 Aug 69 - 31 Aug 70)	(pre-contract fm N/A)	10U.S.C.2304(a)(11)
SUBJECT: Passive Diagnostics for DIANA MIST Project 8.52			\$ 79,755.00
TCDT-N 774.01			
LtCol George Kubal, USAF, Test Command			

Mod 1	Additional funds to cover OH adjustment. 71 NWET J32UAXAX874 01	\$ 2,512.36
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Mod 2	Additional funds to cover OH adjustment. 70 J32UAXAX874 01	\$ 10,770.92
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward

Performance Completed:

Contract CLOSED:

Total \$ 93,038.28

PAID: 93,038.28

Refund: \$ - 0 -

14 Mar 73

CLOSED

Contractor

Status

Contract Type
& Authority

(4 Sep 69 - 31 Oct 70) (pre-contract fm N/A)

SUBJECT: Experimental Investigation of Flashblindness
Parameters. 184.01

\$ 50,075.00

LT Mitchell, STMD

Mod 1 Continuation and addition to task
71 NWER MB 184 01
Time extension to 1 Nov 71

\$ 47,900.00

Mod 2 Continuation of work
72 NWED MB 184 02
Time extension to 31 Oct 72.

\$ 34,900.00

Mod 3 Time extension to 14 Mar 73

\$ --

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

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Mod 8

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Sent to FRGEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

Performance Completed: 14 Mar 73

Total \$ 132,875.00

PAID 132,875.00

Contract CLOSED:

CLOSED 26 Aug 75

Refund: \$ -0-

Contractor

Status

Contract Type
& Authority

(4 Sep 69 - 31 Oct 70) (pre-contract fm N/A)

SUBJECT: Analytic Flashblindness Model
STMD (FY70 NWER MB 183) 01

\$ 52,374.00

LT Mitchell, STMD

Mod 1 Continuation of work
71 NWER MB 183 01
Time extension 1 Nov 71

\$ 49,000.00

Mod 2 Funds to cover computer time.
71 NWER MB 183 01

\$ 1,800.00

Mod 3 Continuation of work
72 NWED MB 183 02
Time extension to 31 Oct 72.

\$ 49,600.00

Mod 4 Time extension to 15 Jan 73.

\$ --

Mod 5

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Mod 6

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Mod 7

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Mod 8

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Sent to FRCEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

Performance Completed: 15 Jan 73

Total \$ 152,774.00
PAID 152,774.00

Contract CLOSED:

Refund: \$ -0-

CLOSED 20 Jan 76

No	Contractor	Status	Contract Type & Authority
	(15 Sep 69 - 15 Nov 70)	(pre-contract fm N/A)	

SUBJECT: Collisional Excitation and Ionization Cross Sections & Rates \$ 9,957.00
 RARP (FY70 NWER , PA 010-02)

Dr. Robert E. Price, RARP

Mod 1	Continuation of work. 71 NWER PA 010 02 Time extension to 15 Mar 71	\$ 1,335.00
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to ERSEN: Sep 72
 To be Deployed Jul 78

Brought Forward	\$
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Finance Completed: 15 Nov 71

Total	\$ 11,292.00
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PAID:	11,155.11
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Contract CLOSED:

Refund:	\$ 136.89
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1 Feb 72

No	Contractor	Status	Contract Type & Authority
((pre-contract in)

8 Aug 61
 SUBJECT: Funds available: \$3,334.00

Mod 1	DELIVERY ORDER NO. 1	\$ 733.00
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Mod 2	DELIVERY ORDER NO. 2	\$ 2,363.00
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to RCT : *8 p 72*
 To to Brought Forward *Jul 78*

Performance Completed: *June 76*

Contract CLOSED:

Brought Forward

Total \$ 3,096.00

PAID: 3,050.43

Refund: \$ 45.57

8 Sep 71

CLOSED

No	Contractor	Status	Contract Type & Authority
	(27 Aug 69 -15 Jan 70)	(pre-contract fml3 Aug 69) \$4,000.00	

SUBJECT: Assessment of House damage.
SPLN (FY70 NWER NA 007).04

\$ 11,796.00

Maj William J. Shepard, SPLN

Mod 1 Making minor repairs to house , etc.
(70 NWER NA 007 15)
Time extension to 31 Oct 70.

\$ 9,977.00

Mod 2 Preparation of Summary Report on House Damage
71 NWED NA 007 24
Time extension to 31 Jan 72

\$ 11,682.00

Mod 3 Time extension to 31 Jul 73.

\$ --

Mod 4

\$

Mod 5

\$

Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed:

Jan 73

Total \$ 33,455.00
PAID 33,455.00

Contract CLOSED:

CLOSED 17 Jul 74

Refund: \$ -0-

No

Contractor

Status

Contract Type

(27 Aug 69 - 31 May 70) (pre-contract fm 15 Jun 69
\$10,000

& Authority

SUBJECT: Preparation of Computer Codes for Shot Window Calculations(U)
RAAE (FY70 NWET (ATR) K43AAXHX 612)⁰¹ LAPWING

\$ 66,000.00

Dr. Charles A. Blank, RAAE

Mod 1 Time extension to 31 Jul 70.

\$ --

Mod 2 Incorporation of OH rates for '69 and '70.

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

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Mod 8

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Sent to FROEN: Sep 72

To be Unapproved Jul 78

Brought Forward

\$

\$

Performance Completed:

Total

\$ 66,000.00

PAID:

65,670.54

Contract CLOSED:

Refund:

\$ 329.46

6 Jan 72

CLOSED

70-C-0013	EG&G, Inc. (Albuquerque, N. M.)	CPTF (a)(11)
No	Contractor	Status
	(1 Oct 69 - 25 Oct 70)	(pre-contract in N/A)
		Contract Type & Authority

SUBJECT: Technical, planning and systems engineering support services \$ 482,700.00
 TCDT-E beyond the in-house capability.
 (Follow-on Cont-XZ-415)

Maj Leroy W. Paul. TC

Mod 1	Increase level of effort. J45JAXCX994.04 Time extension to 25 Oct 71.	\$ 353,023.00
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Mod 2	Time extension to 25 Jan 72.	\$ ---
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Mod 3	Time extension to 29 Feb 72.	\$ --
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8	Sent to FREEN: SEP 1975 To be Destroyed Jul 1981	\$
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Brought Forward	\$
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Performance Completed: 28 Feb 72

Contract CLOSED: **CLOSED** 27 Dec 74

Total	\$ 835,723.00
PAID	789,249.77
Refund:	\$ 46,473.23

No	Contractor	Status	CPEF E (a)(11) Contract Type & Authority
	(2 Sep 69 - 31 Dec 69)	(pre-contract in N/A)	

SUBJECT: Fabrication of Cylindrical Test Specimens.(U)
SPAS (FY70 NWER AB 231) U

\$8,844.00

Maj D. R. Shover, SPAS

Mod 1	Additional task (FY70 NWER AB 23108 Time extension to 31 Dec 70.	\$ 20,247.00
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Mod 2	Fabricate a number of test material samples. 70 NWER AB 231 08 Time extension to 30 Nov 70.	\$ 20,733.00
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward \$

Performance Completed:

Total	\$ 49,824.00
Paid	<u>49,824.00</u>

Contract CLOSED:

Refund: \$ -0-

Apr 71

23 Jul 73

SEP 74
7/80
Jul 80

No	Contractor	Status	Contract Type & Authority
	(1 Oct 69 - 31 Jul 71)	(pre-contract fm 1 Jul 69)	\$5,000

SUBJECT: Provide Special Advisor to the Technical Director for Under- \$ 32,116.00
 SPLN ground Programs for operation DIAL PACK.
 (L35BZXCX978).04

Wai William J. Shepard, SPLN

Mod 1 Time extension to 1 Jun 76 \$ --

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed: 1 Jun 76

Total \$ 32,116.00
 PAID 31,550.33

Contract CLOSED: 10 Dec 76

Refund: \$ 565.57

Sent to FRESEN: Dec 77
 To be Destroyed 0243

No	Contractor	Status	Contract Type & Authority
	(1 Oct 69 -30 Nov 70)	(pre-contract fm N/A)	

SUBJECT: Development of Nuclear Track Detectors for Neutron and Gamma-Ray Measurements.

\$ 35,362.00

1LT C. O. Schonwalder, RARP

Mod 1

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Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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Brought Forward

\$

ormance Completed: 30 SEP 77

Total \$ 35,362.00

PAID: 35,362.00

Contract CLOSED: 30 SEP 77

Refund: \$ - 0 -

Sent to FRCEN: Dec 77
To be Destroyed Oct 83

No	Contractor	Status	Contract Type & Authority
	(26 Sep 69 - 24 Dec 70)	(pre-contract fm N/A)	

SUBJECT: Numerical and experimental studies of Spectral Unfolding \$ 199,250.00
RARP (FY70 NWET J11AAXPX541)

1Lt Christopher O. Schonwalder, RARP

Mod 1	Additional tasks. (Fy 70 NWET # J11A AX PX 541 03) Time extension to 21 Jun 71.	\$ 67,921.00
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Mod 2	Novation Agreement.	\$ ---
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Mod 3	Delete the Jan quarterly report- extend due date of interim report -1	\$ ---
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Mod 4	Time extension to 20 Jan 72.	\$ --
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward	\$
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Performance Completed: 20 Jan 72	Total	\$ 267,171.00
	PAID:	267,171.00

Contract CLOSED: 21 Jan 77

Refund:	\$ - 0 -
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Sent to FREEM: Dec 77
 To be Destroyed Oct 83

70-C-0018

IIT Research Institute

CPFF (a)(11)

No

Contractor

Status

Contract Type
& Authority

(6 Oct 69 - 6 Jun 70) (pre-contract in N/A)

SUBJECT:
STSP (SPSS)Spartan Launch Station Dynamic Response.
(FY70 NWER SC061)

\$ 42,583.00

LTJG Kent L. Goering, SPSS

Mod 1

Simcode Modifications- Spartan Missile Mountings
(FY70 NWER SC061 01)
Time extension to 6 Jul 70.

\$ 7,023.00

Mod 2

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Mod 3

\$

Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

To be Destroyed Aug 74
Jul 79

Brought Forward

\$

Performance Completed:

Total \$ 49,606.00

Paid \$ 49,606.00

Contract CLOSED: NOV 10 1972

Refund: \$ -0.00

CLOSED

Aeronautical Research Associates of Princeton, Inc.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(15 Oct 69 - 14 Nov 70)	(pre-contract in N/A)	

SUBJECT: Aerothermal Ground Test in Support of Lethality Studies. \$ 123,585.00
 SPAS (FY70 NWER AB 231 04)

Maj D. R. Shover, SPAS

Mod 1 Change (addition & deletion) in scope of work. \$ ---

Mod 2 Time extension to 31 Aug 72. \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed: Aug 72

Contract CLOSED:

Total PAID \$ 123,585.00
 123,585.00

Refund: \$ -0-

CLOSED

26 Oct 73

No	Contractor	Status	Contract Type & Authority
	(1 Dec 69 - 31 Oct 70)	(pre-contract ^{sep} oct 69) \$45,000.00	

SUBJECT:	System Vulnerability to Nuclear Dust/Debris Clouds.	\$ 298,724.00
STAP	(FY70 NWER AA-127 09)	

Lt A. Weston, SPAS

Mod 1	Amplification of the work. 70 NWER AA 127 09	\$ 14,847.00
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Mod 2	Time extension to 30 Apr 71.	\$ ----
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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SENT TO DODEN: *Aug 71*
Jul 80

Brought Forward \$

Performance Completed:

Contract CLOSED:

Total PAID	\$313,571.00 309,555.40
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Refund: \$ 4,015.60

CLOSED

5 NOV 73

No

Contractor

Status

Contract Type
& Authority

(15 Oct 69 - 15 Jul 71) (pre-contract fm N/A)

SUBJECT:

High Pressure and High Temperature Equations of State.

\$ 53,322.00

SPSS (STSP) (ARPA No. 1123, Amend #2, Program Code 9F10 and 0F10

ARPA

Program Element Code 62701D)

Follow-on contract 68-C-0069

LTC L. L. Reign, SPSS

Mod 1

Time extension to 31 May 72.
Updating OH Clause.

\$ —

Mod 2

\$

Mod 3

\$

Mod 4

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Mod 5

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Mod 6

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Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

May 1972

Total

\$ 53,322.00

PAID:

53,322.00

Contract CLOSED:

14 Mar 73

Refund:

\$ - 0 -

CLOSED

No	Contractor	Status	Contract Type & Authority
	(16 Sep 69 - 16 Dec 70)	(pre-contract fm 1 Aug 69) \$12,000	

SUBJECT: Study of Characteristics of Missile Electronic Subsystems
RAEV
in a Nuclear Weapon Environment.
(FY70 NWER TE060 (03))

\$ 79,984.00

LtCol Grissom, RAEV

Mod 1 Add to the scope of work.
(EO NWER TE 060 03)

\$ 9,058.00

Mod 2 Time extension to 28 Feb 73

\$ --

Mod 3 Additional funds to cover travel expenses
70 NWER ATE060 15

\$ 955.41

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed:

Feb 73

Total
PAID\$ 89,997.41
89,997.41

Contract CLOSED:

CLOSED

12 Jan 75

Refund:

\$ -0-

No	Contractor	Status	CPTF (a)(11) Contract Type & Authority
	(18 Sep 69 - 17 Dec 70)	(pre-contract fm N/A)	

SUBJECT: Study and analysis program of post detonation telemetry signals \$ 118,090.00
RAAE (FY70 NWER HB 049 02)

LTC George R. Henderhill, RAAE

Mod 1 ~~Development of~~ *HB049.02*
Determining certain nuclear effects data from Soviet data. \$ 109,745.00
Time extension: 4 Oct 71

Mod 2 Continuation of study. \$ 71,998.00
72 NWED HB 049 006
Time extension to 4 December 1972

Mod 3 Time extension to 31 Jul 73 \$ 5,100.00
OH Rate and G&A Adjustment
FY70 NWER A HB049 02

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: SEP 1975
To be Destroyed *Jul 1981*

Brought Forward \$

Performance Completed: *4 May 73*

Contract CLOSED:

CLOSED

14 Mar 75

Total \$ 307,933.00
paid 307,660.94

Refund: \$ 272.06

70-C-0024 Science Applications, Inc.		CPFF (a)(11)
No	Contractor Status	Contract Type & Authority
	(15 Sep 69 ~ 14 Jun 70) (pre-contract fm N/A)	
SUBJECT:	Deionization Chemistry Calculations.	\$ 70,008.00
RAAE	(FY70 NWER HC 061 26)	
	Capt T. H. Johnson, RAAE	
Mod 1	Theoretical High-Altitude Nuclear Explosion Studies. (FY70 NWER HC 061 26) Time extension to 28 Feb 71.	\$ 150,250.00
Mod 2	Theoretical Studies of High-Altitude Nuclear Explosion Pheno- 71 NWER HC 061 26 Time extension to 31 Jan 72	\$ 250,000.00 mena (U)
Mod 3	Further High-Altitude Studies 72 NWED HC 061 53 Time extension to 28 Feb 73.	\$ 149,452.00
Mod 4	Decrease fee to reflect contractor's use of Government compu- ter facility in lieu of portion of contemplated commercial subcontractors.	\$ 282.00 (Decrease)
Mod 5	Time extension to 31 Jul 73	\$ -----
Mod 6		\$
Mod 7		\$
Mod 8		\$
	Sent to FRCEN: FEB 1977 To be Destroyed Oct 82	
	Brought Forward	\$
Work Completed:	30 Jul 74	Total \$ 619,428.00 PAID 619,394.00

No	Contractor	Status	Contract Type & Authority
	(15 Oct 69 - 15 Oct 70)	(pre-contract in N/A)	

SUBJECT: Revision and publication of the EMP Handbook. \$ 129,320.00
 RAEV (FY70 NWER EC091 01)
 DASIAC Services in support of the DASA EMP Research Program

Capt C. S. Allen, RAEV

Mod 1 Greater effort was expended on some area - \$ ----
 delete part of work statement.

Mod 2 Continuation of DASIAC effort. \$ 50,016.00
 71 NWER EC 091 01
 Time extension to 15 Oct 71.

Mod 3 Time extension to 28 Feb 72. \$ --

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

1 ance Completed: 28 Feb 72 Total \$ 179,336.00
 PAID 179,336.00

Contract CLOSED:

Refund: \$ -0-

CLOSED 18 Jul 74

70-C-
0026 - 0050

No	Contractor	Status	Contract Type & Authority
	(7 Jul 69 - 19 Jan 71)	(pre-contract fm N/A)	

SUBJECT: HUDSON MOON Program, Project 9.7
TCDT-T

\$ 2,184,758.00

LTC John H. Vanston, TC

Mod 1 Time extension to 31 May 71.
Incorporation of 1969 OH rates.

\$

Mod 2 Underrun - decrease amount of contract.

-\$ 55,000.00 (decre

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

25 Nov 70

Total \$ 2,129,758.00

PAID: 2,119,067.86

Contract CLOSED:

Refund: \$ 10,690.14

15 May 73

CLOSED

671203

Mod 1 PHASE II \$ 44,993.00
71 NWET J11AAXPX245 02
Time extension to 5 Dec 71.

Mod 2 Time extension to 13 Sep 72. \$4,754.61
Additional funds to cover OH adjustments.
22 73 J11AAXPX 245 03

Mod 3

Mod 4

Mod 5

Mod 6 \$

Mod 7

Mod 8 Cont'd 10-17-69 10-17-69

Sent by OPEN:
[illegible]

Aug 24
Jul 80

Brought Forward

ance Completed:

13 sep 72

Total	\$ 138,157.61
PAID	137,281.28

Contract CLOSED:

Refund: \$ 876.33

CLOSED. 23 Jul 74

No.	Contractor	Status	Contract Type & Authority
	(1 Oct 69 - 30 Nov 70)	(pre-contract in N/A)	

SUBJECT: Multifrequency and Multidimensional Aspects of the
 RARP X-Ray Output Problem.
 FY70 NWER PA 014

\$ 98,445.00

Dr. Robert Price, RARP

Mod 1 Time extension to 28 Jan 71.

\$ ---

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Sent to FSC: Sep 72

To be Brought Forward Jul 78

Brought Forward

\$

\$

ance Completed:

Total \$ 98,445.00

PAID: 98,445.00

Contract CLOSED:

Refund: \$ - 0 -

10 Mar 72

CLOSED

70-C-0029 The Boeing Co.

No	Contractor	Status	CPFF (a)(11) Contract Type & Authority
	(1 Oct 69 - 31 Aug 70)	(pre-contract in N/A)	

SUBJECT: MINERAL ROCK Ejecta Study (undertaken by WES)
STSP (SPSS) (FY70 NWER SA001 01)

\$34,100.00

Maj Louis J. Circeo, Jr.(SPSS)

Mod 1 Additional research
71 NWER SA 001 01
Time extension to 28 Feb71.

\$ 8,025.00

Mod 2 Time extension to /28 February 72.

\$ ---

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

\$

Mod 8

SEP 1975
Sent to FRCEN:
To be Destroyed Jul 1981

\$

Brought Forward

\$

ance Completed:

Feb 72

Total
PAID\$ 42,125.00
41,784.74

Contract CLOSED:

CLOSED

Jun 75

Refund:

\$ 340,26

No	Contractor	Status	Contract Type & Authority
	(20 Oct 69 - 20 Dec 70)	(pre-contract in N/A)	

SUBJECT: Continuation of Material Properties Research on the Optical \$ 118,350.00
RARP and Thermodynamic Properties of High Temperature Fluids
 -follow-on to Cont/68-C-0116--
 (FY 70NWER PA 010 02)
 Dr. Robert E. Price, RARP

Mod 1 Additional changes - \$ 123,700.00
 Study of equations-of-state/opacity formulations.
 71 NWER PA 010.03
 Time extension to 20 Jan 72

Mod 2 Time extension to 18 Jan 73. \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: SEP 1975
 To be Destroyed Jul 1981

Brought Forward \$

Performance Completed:

Total \$ 242,050.00
 PAID 242,016.00

Contract CLOSED:

Refund: \$ 34.00

CLOSED

15 Oct 74

No	Contractor	Status	Contract Type & Authority
	(17 Nov 69 - 17 Feb 71)	(pre-contract in N/A)	

\$ 97,000.00

SUBJECT: UV Excitation and Ionization Cross Sections for Multiply
 RAAE Charged Ions of N and O by Electron Impact.
 FY 70, NWER HD 028

WG
 9/10/79
 Capt. Johnson, RAAE

Mod 1 Incorporation of OH rates, 69, 70 & 71 \$ --

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FREEM: 4/72

To be Unroyed Jul 78

Brought Forward \$

Performance Completed: 17 Feb 71

Total \$ 97,000.00

PAID: 95,489.54

Contract CLOSED:

Refund: \$ 1,510.46

7 Mar 72



No	Contractor	Status	Contract Type & Authority
	(1 Oct 69 - 30 Jun 70)	(pre-contract fm 1 Feb 69) \$97,000.	

SUBJECT: Further Laboratory Studies of the Perturbed Upper Atmosphere
RAAE in the Lumped Parameter Experimental Mode.
 (FY70 NWER HD 010 06) \$ 184,591.00

Dr. Charles A. Blank *RAAE*

Mod 1	Continuation of laboratory studies 70 NWER HD 010 06 Time extension to 31 Aug 70.	\$ 13,811.00
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Mod 2	Time extension to 16 Nov 70.	\$ --
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Mod 3	Time extension to 31 Dec 71.	\$ --
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Mod 4	Time extension to 26 Jun 72.	\$ --
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward	\$
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Performance Completed: <i>26 Jun 78</i>	Total	\$ 198,402.00
Contract CLOSED: 20 SEP 78	PAID:	196,950.19
	Refund:	\$ 1,451.81

70-C-0033 Mathematical Applications Group, Inc.		CPFF (a)(11)
No.	Contractor Status	Contract Type & Authority
	(15 Oct 69 - 31 Oct 70) (pre-contract fm N/A)	
SUBJECT: Implementation of a Three-Dimensional Monte Carlo RARP Transport Code. (FY70, NWER PB 044)		\$ 94,954.00
1LT Schonwalder, RARP		
Mod 1	Time extension to 29 Jan 71.	\$ ---
Mod 2	Additional costs to cover OH adjustments NWER PB 044 01	\$ 6,558.38
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8	<div style="text-align: right;"> <i>Aug 74</i> <i>Jul 80</i> </div>	\$
Brought Forward		\$
Finance Completed: 29 Jan 71		Total \$ 101,512.38
Contract CLOSED:		Paid 101,512.38
23 Jul 73		Refund: \$ -0-

70-C-0034 LMSC

CPFF (a)(11)

No

Contractor

Status

Contract Type
& Authority

(1 Nov 69 - 31 Oct 70) (pre-contract fm N/A)

SUBJECT: Energy Fluence Measurements with Total Absorption
TCDT-T Calorimeters. FY70 NWET J321AXAX87303

\$ 59,030.00

OP
70019
1LT Baird, TCDT-T

Mod 1 Additional costs - test event delays
70 NWET J321AXAX873 03

\$ 5,928.00

Mod 2 Time extension to 2 Feb 71.
Incorporation of 69 OH rates.

\$ ---

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN: Aug 74

To be Destroyed Jul 79

\$

Brought Forward

\$

ance Completed: 7 Jul 71

Total \$ 64,958.00

PAID: 62,702.99

Contract CLOSED:

Refund: \$ 2,255.01

1 Dec 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(15 Aug 69 - 15 Aug 70)	(pre-contract fm 15 Aug 69)	
		\$280,000	

SUBJECT: Continuation of DASAC services.

RAAE FY70 NWER Task Area HE, Subtask 008.01

\$818,194.00

LTC George Underhill, RAAE

Mod 1	Continuation of DASAC services	\$ 748,665.00
	71 NWER DC 001 01	
	Time extension to 15 Aug 71	

Mod 2	Preparation of a set of technical documents summarizing	\$ 47,122.00
	DASA/DOD supported research on retinal burn and flash blindness.	
	71 NWER DC 001 01	
	Time extension to 28 Feb 72	

Mod 3	Technical Support to the AFWL SIMDEP/HARD ROCK SILO Program	\$ 36,137.00
	71 NWER DC 001 01	

Mod 4	Continuation of effort.	\$ 739,100.00
	72 DC 001 02 NWED	
	Time extension to 15 Aug 72.	

Mod 5	Additional scope.	\$ 38,892.00
	72 NWED DC 001 03	

Mod 6	Extension of retinal burn/flash blindness documentation program	\$ 34,166.00
	72 NWED DC 001 04	
	Time extension to 28 Feb 73	

Mod 7	New tasks	\$ 72,740.00
	72 NWED DC 001 04	

Mod 8	Time extension to 30 April 1973	Sent to FRCEN: SEP 1975	--
		To be Destroyed Jul 1981	

Brought Forward	\$
	\$

PAID	\$ 2,535,016.00
Total	\$ 2,535,016.00

PAID: 30 Apr 73

Contract CLOSED:

CLOSED 24 Jan 75

Refund: \$ -0-

70-C-0036 Stanford Research Institute

CPFF (a)(11)

No

Contractor

Status

Contract Type
& Authority

(17 Nov 69 - 16 Feb 71) (pre-contract fm N/A)

SUBJECT: Simplified Fallout Computational Systems for Damage Assessment \$ 74,132.00
RARP (FY 70 NWER PD 071 01)

CDR Robert M. Wagner, RARP

Mod 1 Adaptation and Utilization of DELFIC Program \$ 14,651.00
70 NWER PD 071 01
Time extension to 16 Jun 71

Mod 2 Incorporation of OH rates for 1969 and 1970 \$ ---
Time extension to 31 Aug 71.

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed:

Total \$ 88,783.00
Paid \$ 88,783.00

Contract CLOSED:

Refund: \$ -0-

20 Jul 73

No	Contractor	Status	Contract Type & Authority
	(31 Oct 69 - 31 Jan 71)	(pre-contract fm 15 Oct 69)	
		\$2,000.00	

SUBJECT: Analysis and Simulation of Precipitation Scavenging and its role \$ 48,451.00
 RARP in Determining the Ground Distribution of Radioactive Fallout.
 (FY 70 NWER PD 067 01)

CDR Robert M. Wagner, RARP

Mod 1	Cost growth. 71 NWER PD 067 01 Time extension to 31 Jul 71.	\$ 2,574.75
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Mod 2	Time extension to 4 Oct 72.	\$ --
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FRCEN: SEP 1975
 To be Forwarded Jul 1981

Brought Forward	\$
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Performance Completed: 4 Oct 1972

Total	\$ 51,025.75
PAID	<u>51,025.75</u>

Contract CLOSED:

Refund:	\$ -0-
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CLOSED 15 Oct 74

No

Contractor

Status

Contract Type
& Authority

(27 Oct 69 - 27 Oct 72) (pre-contract fm)

SUBJECT:

\$ ---

Mod 1

\$

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

Sent to FRCEN:
To be DestroyedAug 74
Jul 79

\$

Brought Forward

\$

Performance Completed:

27 Oct 72

Total

\$

Contract CLOSED:

27 Oct 72

Refund:

\$

No	Contractor	Status	Contract Type & Authority
	(6 Dec 69 - 30 Sep 70)	(pre-contract fm 31Oct69)	
		\$70,000.00	

SUBJECT: Perform studies in the nuclear field
 APRS (Follow-on Cont-68-C-0034)
 FY 70 NWER DB 001 01)

\$ 275,000.00

Dr. J. A. Northrop, DDST

Mod 1 Continuation of current level of effort.
 70 NWER DB 001 01
 Time extension to 31 Oct 70.

\$ 51,770.00

Mod 2

\$

Mod 3

\$

Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed:

Total \$ 326,770.00

PAID: 326,033.01

Contract CLOSED:

Refund: \$ 736.99

CLOSED

14 apr 72

29 Oct 76 Cont to 31 Sep 72
 To 31 Oct 78

No	Contractor	Status	Contract Type & Authority
	(1 Nov 69 - 31 Oct 70)	(pre-contract fm 1 Aug 69) \$70,000.00	
SUBJECT:	Fission products research.		\$ 479,967.00
ARPA	ARPA Order 1536, Program Code No. OF10 Program Element Code 62701D		

Mod 1	Continuation of fission products studies ARPA Order 1536, Amend No. 1 Time extension to 31 Oct 71	\$ 499,985.00
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Mod 2	Continue gamma spectrometry studies Time extension to 31 Oct 72.	\$ 184,998.00
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Mod 3	Additional tasks ARPA Order 1536, Amend #4 73 M32EACBX871 03 Time extension to 31 Oct 73	\$ 120,495.00
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Mod 4	Adjust Overhead Rates ARPA Order 1536/5 Time extension to 15 Jun 74	\$ 15,566.00
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward

\$

Performance Completed:

12 Jun 74

Total

\$ 1,301,011.00

PAID:

1,301,011.00

Contract CLOSED: 19 DEC 77

Refund:

\$ - 0-

No	Contractor	Status	Contract Type & Authority
	(17 Apr 70 - 28 Feb 71)	(pre-contract fm 8 Jan 70)	
		\$6,000	

SUBJECT: Energy Coupling, Cratering and Ejecta Analysis from Large
STSP (SPSS) Yield Nuclear Detonations.
(FY70 NWER SA001 02) \$ 74,099.00

LTJG C. B. McFarland, SPSS

Mod 1	Lofting Experiments 71 NWER SA 001 02 Time extension to 31 Aug 71	\$24,900.00
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Mod 2	Time extension to 30 Nov 71.	\$ --
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Mod 3	Cost Growth DH 00544-70	\$ 213.83
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward \$

Finance Completed: Nov 71

Contract CLOSED: 17 April 1984

APR 23 1984

Total \$ 99,212.83.83

Total paid: 99,212.83

Refund: \$ -0-

No.	Contractor	Status	CPFF (a)(11) Contract Type & Authority
	(15 Dec 69 - 14 Jan 71)	(pre-contract in N/A)	

SUBJECT: Film Calibrations for Diagnostic Experiments
SPAS FY 70 NWET/TID Subtask J 11 A AXAX 504.14

\$ 46,962.00

Capt Crotwell, SPAS

Mod 1	Additional work 71 NWET J11AAXAX004 25 Time extension to 13 Jan 73	\$ 23,746.00
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Mod 2	Comparison of X-Ray Calibrations of Films 73 NWET X J11AAXAX004 25 Time extension to 28 Feb 74.	\$ 14,775.00
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Mod 3	Time Extension to 31 Jan 75	\$ --
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Mod 4	Continuation of work 73x J11AAXAX004 25 Time extension to 31 May 75	\$ 6,899.00
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Mod 5	Time extension to 31 Jan 76	\$ --
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward \$

F. Completed: Jan 76

Total \$ 92,382.00

Contract CLOSED: 10 FEB 77

PAID: 92,382.00

Refund: \$ - 0 -

Sent to ERGEN: Dec 77
To be Destroyed Oct 83

Contractor

Status

Contract Type
& Authority

(2 Dec 69 - 1 Nov 70) (pre-contract fm N/A)

SUBJECT: Dust Erosion

\$ 199,443.00

SPAS Subtask AA 127 12

Lt. A. Weston, SPAS

Mod 1 Amplification of the work.

\$ 63,987.00

(FY70 NWER AA 127 12)

Time extension to 9 Dec 70

Mod 2 Multiple impact and large particle penetration study.
70 NWER AA 127 12

\$ 30,347.00

Mod 3 Analytical Study of Systems Capability Through Dust
71 NWER AA 127 12

\$ 40,661.00

Time extension 29 Feb 72

Mod 4 Add incremental funding.
72 NWED AA127 18

\$ 39,267.00

Mod 5 Time extension to 30 Jun 72

\$ --

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

ance Completed:

30 Apr 75

Total \$ 373,705.00

PAID: 363,409.27

Contract CLOSED: 15 APRIL 77

Refund: \$ 10,295.73

Sent to FREER Dec 77
To be Destroyed Oct 83

70-C-0044

Effects Technology, Inc.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 Dec 69 - 31 Jan 71)	(pre-contract fm 15 Aug 69) \$15,000	

SUBJECT: Experiments for MINT LEAF (U)
SPAS Subtask J321AXAX 878

\$ 212,292.00

LTC A. Lowery, SAPS

Mod 1 Times extension to 9 Mar 71.

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

\$

Mod 8

Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

\$

Performance Completed: 9 Mar 71

Contract CLOSED:

CLOSED 24 Jan 75

PAID	\$ 212,292.00
Total	\$ 210,796.93

Refund: \$ 1,495.07

No	Contractor	Status	Contract Type & Authority
	(1 Jan 70 - 31 Dec 70)	(pre-contract for 1 Nov 69) \$60,000	
SUBJECT: Build a Bremsstrahlung Machine Producing 35 Kilojoules of Electron Beam Energy. RAEV (FY 70 NWER LA 013 05)			\$ 491,593.00
Maj Robert P. Sullivan, RAEV			

Mod 1	Funds for some minor design changes. 71 NWER LA 013 05 Time extension to 28 Feb 71	\$ 99,878.00
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Mod 2	Blackjack II Propagation & merging of high current electron Beams CASINO Feasibility 71 NWER LA 013 16 Time extension to 31 Oct 71	\$ 819,830.00
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Mod 3	Purchase of equipment. 71 NWER LA 013 05	\$ 49,370.00
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Mod 4	Cost growth 71 NWER LA 013 05	\$ 37,133.00
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Mod 5	Further CASINO I development 72 NWED LA013 19 Time extension to 31 Mar 72.	\$ 380,000.00
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Mod 6	Change reporting requirements. Time extension to 1 May 72.	\$ --
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Mod 7	Time extension to 30 Apr 73	\$ --
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Mod 8	Sent to FRCEN: SEP 1975 To be Destroyed Jul 1981	\$
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Brought Forward

\$

Performance Completed:

April 73

Total
PAID\$ 1,877,804.00
1,877,804.00

Contract CLOSED:

CLOSED 30 Jan 75

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(20 Nov 69 - 1 Dec 70)	(pre-contract in 1 Oct 69)	\$10,000.00
SUBJECT:	Underground Test Diagnostics - HUDSON MOON - Project 8.71		\$ 216,000.00
TC	(FY70 ZX873 03) J32VAXAX874 13		

Ens Richard W. Wilson, TC

Mod 1	Additional diagnostic experiment. 70 NEET J32VAXAX874 10 Time extension to 1 Apr 71	\$ 6,000.00
-------	---	-------------

Mod 2	Time extension to 30 Jun 71. Update negotiated overhead rates clause.	\$ ---
-------	--	--------

Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8	Sent to FRCEN: Aug 74 To be Destroyed Jul 79	\$
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Brought Forward \$

Performance Completed: 30 Jun 71

Total	\$ 222,000.00
PAID:	218,722.08

Contract CLOSED:

Refund: \$ 3,277.92

1 Dec 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(19 Nov 69 - 31 Jan 71)	(pre-contract fm 10 Nov 69) N/A	

SUBJECT: Nuclear Weapons Effects Analyses
 RARP (Follow-on Cont-69-C-0024)
 FY 70 NWET AXYX 983 03

\$ 913,500.00

Dr. Robert E. Price, RARP

Mod 1 Continuation of work.
 71 NWET J25AAXYX983 06
 Time extension to 30 Nov 71.

\$ 696,812.00

Mod 2 Time extension to 31 Jul 72.

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed:

Jul 1972

Total	\$ 1,610,312.00
PAID	<u>1,610,312.00</u>

Contract CLOSED:

CLOSED

18 July 74

Refund: \$ -0-

Kaman Nuclear

CFFP (a)(11)

No	Contractor	Status	Contract Type & Authority
	(15 Dec 69 - 14 Dec 70)	(pre-contract in N/A)	

SUBJECT: Material Response Phenomenology in Snubber (U)
SPAS Subtask J451AXAB878

\$ 74,359.00

Maj D. Shover, SPAS

Mod 1 Time extension to 1 Jul 71.

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN:
To be Destroyed

\$

Brought Forward

\$

Performance Completed:

Total \$ 74,359.00

Paid \$ 74,359.00

Contract CLOSED: NOV 10 1972

Refund: \$ -0.00

CLOSED

No.	Contractor	Status	Contract Type & Authority
	(19 Nov 69 - 1 Nov 70)	(pre-contract full Aug 69)	
		\$26,000	

SUBJECT: Develop a Laser Velocity Interferometer for NTS use (u)
 SPAS FY 70 NWET/TID Subtask J11AAXAX502

\$122,200.00

Capt G. P. Crotwell, SPAS

Mod 1 Incorporation of incentive overhead clause.

\$ ----

Mod 2 Time extension to 31 Dec 71.

\$ ---

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

Dec 71

Total
PAID\$122,200.00
122,200.00

Contract CLOSED:

Refund:

\$ -0-

CLOSED

13F at 74

No

Contractor

Status

Contract Type

(1 Dec 69 - 15 Mar 71) (pre-contract incl Oct 69)
\$50,000

& Authority

12 Nov 69
13
 SUBJECT: HUDSON MOON Diagnostics (Project 8.73)
 TC (FY70 ZX 873 01)

\$ 317,876.00

Ens Richard W. Wilson, TC

Mod 1 Underrun - Decrease 3,000

- \$ 3,000.00 (decrease)

Incorporation of OH rates for 1970 & 1969

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Sent to FRGEN: Aug 74
 To be Destroyed Jul 79

Brought Forward

\$

Performance Completed:

21 Jan 71

Total \$ 314,876.00

PAID: 311,600.91

Contract CLOSED:

16 May 73

CLOSED

Refund: \$ 3,275.09

No	Contractor	Status	CEPP (a)(11) Contract Type & Authority
	(15 Dec 69 - 31 Dec 70)	(pre-contract in N/A)	

SUBJECT: Supply nuclear flash protection device and data on the TEEG
Electrochromic System.
(FY70NWER MB 168 01)

\$ 88,895.00

LT Herbert J. Mitchell, STMD

Mod 1 Time extension to 31 Mar 71.
Change scope

\$ ---

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Sent to FIDEL: Sep 72
To be Destroyed Jul 78

Brought Forward

\$

Finance Completed:

3 Apr 71

Total \$ 88,895.00

PAID: 88,895.00

Contract CLOSED:

Refund: \$ - 0 -

- Mar 72

CLOSED

Contractor

Status

Contract Type
& Authority(1 Jan 70 - 1 Feb 71) (pre-contract fm 30 Nov 69)
\$8,000.00SUBJECT: Development and Application of the 1-D Vers Codes (U)
RARP FY 70 NWER Subtask PA 014 Work Unit 01

\$174,482.00

Dr. Robert Price, RARP

Mod 1 Incorporation of incentive Overhead Clause.
Time extension to 31 Dec 72.

\$ ---

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

\$

Mod 8

Sent to FROEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Finance Completed:

Aug 72

Total \$ 174,482.00

PAD 174,482.00

Contract CLOSED:

CLOSED 3 Apr 74

Refund: \$ -0-

70-C-0053

Science Applications, Inc.

CPFF (a)(11)

No

Contractor

Status

Contract Type
& Authority

(1 Jan 70 - 31 Mar 71) (pre-contract in N/A)

SUBJECT: Calculation of Radiation Penetration in Concrete Structures.
 RARP (Follow-on Cont-68-C-0097)
 (FY70 NWER PE 083 01)

\$ 96,425.00

Maj Richard W. Enz, RARP

Mod 1

Additional costs - problems beyond contractor's control
 71 NWER PE 083 01
 Time extension to 15 May 71.

\$ 10,000.00

Mod 2

Time extension to 31 Jan 73

\$ --

Mod 3

\$

Mod 4

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Mod 5

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Mod 6

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Mod 7

\$

Mod 8

SEP 1975
 Sent to FRCEN:
 To be Destroyed Jul 1981

\$

Brought Forward

\$

Finance Completed: 31 Jan 73

Total \$ 106,425.00

PAID 106,425.00

Contract CLOSED:

Refund: \$ -0-

CLOSED 17 Oct 74

No	Contractor	Status	Contract Type & Authority
	(15 Dec 69 - 15 Oct 71)	(pre-contract fm 1 Oct 69) \$100,000.00	

SUBJECT: PHASE III AURORA development. (gamma ray simulation facility) \$2,400,000.00
RAEV (FY70 NWER LB 061-04)

Maj Clayton, S. Gates, RAEV

Mod 1 Decrease 061-04 - \$ 300,000.00(decrease)

Mod 2 Additional incremental funding.
71 NWER LB 061 04 \$ 3,850,000.00

Mod 3 Cost growth
71 NWER LB 061 04 \$ 2,200,000.00
Time extension to 15 Feb 72

Mod 4 Additional scope. 061.15
Incremental Funding \$ 475,000.00

Mod 5 Cost growth AURORA 061.15 \$ 1,113,107.00

Mod 6 Additional scope.
72 LB 968 03 \$ 156,990.00

Mod 7 Cost growth (72 NWED LB 968 03) \$ 279,366.00
Time extension 30 Jun 72.

Mod 8 Additional funds to cover distribution of report.
71 LB06126 \$ 15,130.00
Time extension to 31 Jul 73.

Mod 9 Time extension to 15 Nov 74 \$ ---

rmance Completed: 15 NOV 74

Contract CLOSED: 7 MARCH 1978

Total \$ 10,189,593.00

PAID: 10,149,158.37

Refund: \$ 40,434.63

600,000 Dec 84

70-C-0055 Systems, Science and Software		CPTF (a)(11)
No	Contractor Status	Contract Type & Authority
	(1 Jan 70 - 30 Sep 70) (pre-contract fm 22 Sep 69 \$115,000)	
SUBJECT:	Development of improved predictive techniques for radiation interactions(U) - (Follow-on- Contr 68-C-0072)	\$ 398,500.00
SPAS	(FY70 NWER AA 10604)	
	Mr. James F. Moulton, SPAS	
Mod 1	Increase the computer support. (70 NWER AA 106 04)	\$ 50,000.00
Mod 2	Develop an improved predictive technique for radiation interaction. Time extension: 1 Jun 71 106.04	\$ 89,750.00
Mod 3	Continuity of PREDIX Program 71 NWER AA 106 04	\$ 40,000.00
Mod 4	Develop a Constitutive Model & Evaluate Spall Criterion for S-200 Beryllium 71 NWER AA 106 04 Time extension to 31 Mar 72	\$ 39,900.00
Mod 5	Time extension to 9 Jan 74	\$ --
Mod 6		\$
Mod 7		\$
Mod 8	Sent to FRGEN ^{SEP} 1975 To be Destroyed Jul 1981	\$

Brought Forward \$

Performance Completed: 9 Jan 74
Contract CLOSED: **CLOSED** 10 May 75

Total \$ 618,150.00
PAID 618,150.00

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(24 Dec 69 - 9 Feb 70)	(pre-contract in N/A)	

SUBJECT: Procure computer system called "Quickdraw"
COMP 1.1 FY70 O&M money

\$ 2,450.00

LTC Gauvin, COMP

Mod 1

\$

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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Sent to ERGEN: Jan 72

To be Destroyed Jul 76

Brought Forward

\$

\$

Performance Completed:

9/1/70

Total

\$

2,450.00

PAID:

\$

2,450.00

Contract CLOSED:

9 Apr 70

CLOSED

Refund:

\$

- 0 -

Contractor

Status

Contract Type
& Authority

(4 Dec 69 - 31 Jul 70) (pre-contract in N/A)

SUBJECT: Scientific Station Instrumentation and Analysis
SPAS (FY70 NWET 986 02) (DIANA MIST)

\$ 34,053.00

Capt G. P. Crotwell ,SPAS

Mod 1 Incorporation of OH rates for 69 and 70

\$ --

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Sent to [unclear] by 72
To be [unclear] by 78

Brought Forward

\$

\$

Performance Completed:

31 July 70

Total \$ 34,053.00

PAID: 32,553.59

Contract CLOSED:

Refund: \$ 1,499.41

13 Jan 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(14 Jan 70 - 30 Apr 70)	(pre-contract fm 24 Nov 69) \$9,594.00	

SUBJECT: A Three Meter Diameter Concentric Sphere Lining Concept. \$ 96,066.00
TCDT-E (DIAMOND DUST)

LTC B. H. BROWN, Jr. TC.

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to EROSEN: 1/6/72
To be Destroyed Jul 78

Brought Forward

\$
\$

Performance Completed: 30 Apr 70

Total \$ 96,066.00
PAID: 65,915.00

Contract CLOSED:

Refund: \$ 30,151.00

17 Dec 71

CLOSED

70-C-0059 Lovelace Foundation		Cost
No	Contractor	Contract Type & Authority
	(1 Jan 70 - 31 Dec 70) (pre-contract in N/A)	

SUBJECT: Neurophysiological Basis of Primate Performance Decrement. STMD (FY70 NWER MA 19101)	\$ 174,400.00
--	---------------

Maj Hal F. Stolz, STMD

Mod 1 /continuation of work 71 NWER MA 191 01 Time extension to 31 Dec 71.	\$ 221,000.00
--	---------------

Mod 2 Continuation of work. 72 NWED MA 191 02 Time extension to 31 Dec 72.	\$ 205,000.00
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Mod 3 Continuation of work 73 NWED USSQAXMA 191 03 Time extension to 31 Dec 73.	\$ 200,000.00
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Mod 4 Time Extension to 27 Feb 74	\$ - -
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Mod 5	\$
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Mod 6	\$
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Mod 7	\$
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Mod 8	Sent to FRCEN: 18 Jan 80 To be Destroyed 18 Dec 86	\$
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Brought Forward	\$ 800,400.00
	\$ 798,366.35

ance Completed: 27 Feb 74	Total	\$ 2,033.65
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Contract CLOSED: 1/22/80	Refund:	\$
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No	Contractor	Status	Contract Type & Authority
	(17 Dec 69- 31 Jan 71)	(pre-contract in 17 Nov 69)	

SUBJECT: Stemming and Containment Diagnostics for HUDSON MOON.
TCDT-T (Project 9.62)

\$ 341,272

LTC William E. Winemiller, TC

Mod 1 Time extension to 31 Mar 71

\$ ---

Mod 2 Additional funds to cover cost growth
73 XYX98401

\$ 5,679.00

Mod 3

\$

Mod 4

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Mod 5

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Mod 6

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Mod 7

\$

Mod 8

Sent to FROEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed:

Total \$ 346,951.00
PAID 346,951.00

Contract CLOSED:

CLOSED

10 Apr 75

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(23 Jun 70 - 31 Aug 71)	(pre-contract fm 19 Mar70)	
		\$50,000	

\$ 248,884.00

SUBJECT: Modeling and Free-Field Ground Motion
STSP(SPSS) (FY70 NWER SB 047 25)

Maj Lawson P. Mostler, SPSS

Mod 1 Time extension to 18 May 72.

\$ ---

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed:

18 May 72

Total
PAID\$ 248,884.00
246,424.15

Contract CLOSED:

Refund:

\$ 2,459.85

CLOSED

5 Nov 73

No	Contractor	Status	Contract Type & Authority
	(1 Jan 70 - 30 Jun 70)	(pre-contract in)	

SUBJECT: System Engineering Services for FldCom
COMP-1

\$ 21,168.00

Mr. Leroy M. Smith, FCCT-7

Mod 1	Increase level of effort. Time extension to 15 Aug 70	\$ 17,500.00
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Mod 2	Time extension to 30 Jun 71.	\$ 42,336.00
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Mod 3	Time extension to 30 Jun 72.	\$ ---
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward \$

Completed: 30 Jun 72

Total PAID	\$ 81,004.00 80,167.36
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Contract CLOSED:

Refund: \$ 836.64

8 Jul 74 **CLOSED**

No	Contractor	Status	Contract Type & Authority
	(25 Feb 70 - 28 Feb 71)	(pre-contract LA 10 Dec 69 \$185,000)	

SUBJECT: RAEV	Development of High-current X-Ray Machines (U) FY70 NWER LA 013 07)	\$ 550,000.00
---------------	--	---------------

9/10/70
Maj Robert P. Sullivan, RAEV

Mod 1	Add the incremental funding 71 NWER LA 013 07	\$201,161.00
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Mod 2	Cost Growth 71 NWER LA 013 07 Time extension to 31 August 71	\$ 63,401.00
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Mod 3	Time extension to 27 Oct 72.	\$ --
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Mod 4	Time extension to KE 31 May 73	\$ --
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward

\$
\$

Per ance Completed:

31 May 73

Total \$ 814,562.00

PAID: 812,482.53

Contract CLOSED: 7 DEC 77

Refund: \$ 2,079.47

Dec 78

Dec 84

No	Contractor	Status	Contract Type & Authority
	(1 Feb 70 - 28 Feb 71)	(pre-contract for 1 Oct 69) \$30,000	

SUBJECT: HUDSON MOON
SPAS (FY70 NWET J32VAXAX878 02)

\$ 144,773.00

68
2286-70
Dec
Capt Allen Weston, SPAS

Mod 1 Time extension to 31 Mar 71.

\$ ---

Mod 2 Funds to cover OH adjustments.
70 NWET J32VAXAX878 02

\$ 24,416.08

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Sent to FRCEN: Aug 74
To be Destroyed Jul 79

Brought Forward

\$

Performance Completed: 31 Mar 71

Total \$ 169,189.08

PAID: 169,189.08

Contract CLOSED:

Refund: \$ - 0 -

16 May 73

CLOSED

70-C-0065	Agabian-Jacobsen Associates	CPEE (a)(11)
No	Contractor	Status
	(1 Feb 70 - 28 Feb 71)	(pre-contract in N/A)
		Contract Type & Authority

SUBJECT: To provide consulting services in mechanical Properties \$ 40,405.00
 STSP (SPSS) of Earth Materials
 (FY70 NWER SB047 08)

Mr. McFarland, SPSS

Mod 1 Continuation of work. \$ 47,170.00
 71 NWER SB 047 08
 Time extension to 13 Apr 72.

Mod 2 Work unit changed. \$ --

Mod 3 Delete requirement of Final Report. \$ --

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to TIGEN: Aug 74
 To be Destroyed Jul 79

Brought Forward \$

Performance Completed: 13 Apr 72

Contract CLOSED:

Total \$ 87,575.00
 PAID: 87,575.00

Refund: \$ - 0 -

19 Jun 73

CLOSED

No	Contractor	Status	Contract Type & Authority
	(1 Mar 70 - 15 Jun 70)	(pre-contract in N/A)	

SUBJECT: Crater Ejecta Analysis
STSP (SPSS) (FY70 NWER SA001 08)

\$ 20,000.00

Maj Louis J. Circeo, Jr., SPSS.

Mod 1

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Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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Brought Forward

\$

Performance Completed:

Contract CLOSED:

Total	\$ 20,000.00
PAID:	20,000.00

Refund: \$ - 0 -

17 Sep 71

CLOSED

Sent to ERGEN: Sep 72
To be Destroyed Jul 78

No

Contractor

Status

Contract Type

(1 Feb 70 - 31 Mar 71) (pre-contract in N/A)

& Authority

SUBJECT: Study of Low Altitude X-Ray EMP Problems-Transport Considerations 99,102.00
RARP (FY70 NWER PB 052 01)

1Lt Christopher Schonwalder, RARP

Mod 1

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Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

Sent to FRCEN: Aug 74
To be Destroyed Jul 79

\$

Brought Forward

\$

Performance Completed:

Jan 1972

Total \$ 99,102.00

PAID: 99,090.73

Contract CLOSED:

Refund: \$ 11.27

21 Sep 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(1 Feb 70 - 1 Feb 73)	(pre-contract fm)	

SUBJECT: Follow-on Contract BA-49-146-XZ-316(F)

\$

Mod 1 Updating of Schedule and General Provisions

\$

--

Mod 2 Updating of Schedule.

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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Brought Forward

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\$

Total

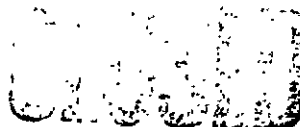
\$

Performance Completed:

Contract CLOSED:

9 Nov 73

Refund: \$



No	Contractor	Status	Contract Type & Authority
	(26 Jan 70 - 31 Aug 70)	(pre-contract in N/A)	

SUBJECT: SECURE ^{installation} for DASA - Installation at Harry Diamond Lab and Air Force Weapons Lab
 RAEV (FY70 ~~NWER~~ TC 022 01)
 TechMon at HDL: Mr. McCoskey
 Maj S. O. Kennedy, RAEV " " " AFWL: Capt Anderson

\$ 95,950.00

Mod 1 Continuation for support and installation of SECURE at AFWL and HDL
 70 TC 022 01 MIPR R-70-17 \$ 20,000.00

Mod 2 Additional work.
 TC 022 01 (MIPR R-70-17) \$ 24,991.00

Mod 3 Additional support in completing installation.
 71 NWER TC 022 01 \$ 7,000.00
 Time extension to 30 Nov 70.

Mod 4 Time extension to 30 Nov 71.
 Perform a SECURE Capability Enhancement Program.
 71 NWER TC 022 01 \$ 63,677.00

72 Mod 5 Additional work in connection with the SECURE Code.
 72 NWED TC 022 08 \$ 2,900.00
 Time extension to 31 Mar 72.

Mod 6 Participation in May 10-12 meeting.
 70 NWER TC 022 08 \$ 1,264.00
 Time extension to 31 Aug 72.

Mod 7 \$

Mod 8 \$

Brought Forward \$ 215,782.00
 \$ 215,369.49

Total \$ 412.51

Performance Completed: 30 Jul 1972

Contract CLOSED: 17 Dec 80

Refund: \$

NOV 10 1981
 Dec 87

70-C-0071

EGSG, Inc. (Albuquerque, N.M.)

FACILITIES

No

Contractor

Status

Contract Type
& Authority

(18 Jan 70 - 19 Jan 73) (pre-contract fm)

SUBJECT: FACILITIES CONTRACT for increasing Contractor's capacity to
provide research services under various DASA contracts.

\$ ---

Mod 1

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Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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Brought Forward

\$

Total

\$

Refund:

\$

Performance Completed:

Contract CLOSED:

CLOSED

4 Dec 73

FACILITIES

No	Contractor	Status	Contract Type & Authority
	(20 Feb 70 - 19 Feb 71)	(pre-contract fm N/A)	

SUBJECT: Constitutive Relations for Rock
STSP (SPSS) (FY70 NWER SB 047 26)

\$ 11,741.00

Mr. C. B. McFarland, SPSS

Mod 1

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Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed:

Sep 71

Sent to FROZEN: Sep 72

To be Destroyed Jul 78

Total

\$ 11,741.00

PAID:

11,741.00

Contract CLOSED:

Refund:

\$ - 0 0

10 Mar 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(26 Feb 70 - 26 Jul 71)	(pre-contract in N/A)	

SUBJECT: Advanced NEST Feasibility
STSP (SPSS) (FY70 J24AAXYX966 01)

\$ 104,593.00

Mr. John G. Lewis, SPSS

Mod 1 Time extension to 31 Jul 73.
Funds - 70 J24AAXYX96601
Rate Adjustment of G&A Costs

\$ 4,329.00

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

Sept 73

Total
PAID\$ 108,922.00
108,922.00

Contract CLOSED:

CLOSED

23 Jul 74

Refund:

\$

-0-

No	Contractor	Status	Contract Type & Authority
	(18 Feb 70 - 18 May 71)	(pre-contract fm 1 Feb 70)	\$10,000.00
SUBJECT: Calculate Radiation from Overdriven Cavities. STSP (SPSS) ARPA Order No. 1565, Program Code No. OF10 Program Element Code: 62701D			\$ 253,100.00

Maj Louis J. Circeo, Jr., SPSS

Mod 1	Continuation of investigations ARPA 1565 01 Time extension to 30 Jun 72	\$ 253,000.00
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Mod 2	Time extension to 18 Jun 75	\$ --
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Mod 3	Cost Growth ARPR Order 1565/1	\$ 6,316.83
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward

\$

Performance Completed:

Total

\$ 512,416.83

PAID:

512,416.83

Contract CLOSED:

Refund:

\$ - 0 -

18 JUN 75

18 MAR 83

10 MAY 1983

DEC 89

No	Contractor	Status	Contract Type & Authority
	(1 Feb 70 - 31 Jan 71)	(pre-contract fm N/A)	
SUBJECT: Biological Effects of Blast from Bombs STMD (FY70 NWER MA012 02) -(Follow up on Cont-XZ-372)			\$ 150,000.00
Maj John W. Cable, STMD			
Mod 1	Continuation of work 71 NWER MA 012 02 Time extension to 31 Dec 71		\$ 226,000.00
Mod 2	Continuation of work 72 NWED MA 012 03 Time extension to 31 Dec 72.		\$ 190,000.00
Mod 3	Additional task 73 NWED US9QAXM A012 03 Time extension to 31 Dec 73		\$ 180,000.00
Mod 4	Time Extension to 14 Apr 74		\$ --
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to FRCEN: 18 Jun 80 To be Destroyed Dec 86		\$
Brought Forward			\$ 746,000.00 \$ 743,325.07
Finance Completed: 14 Apr 74			Total \$ 2,674.93
Contract CLOSED: 1/22/80			Refund: \$

0076 - 0100

LOG OF CONTRACTUAL ACTIONS

70-C-0076 Lovelace Foundation

Cost (a)(5)

No. Contractor (1 Mar 70 - 31 Dec 70)(pre-contract fm N/A) Contract Type & Authority

SUBJECT: Biomedical Aspects of Combined Injury \$ 200,000.00
(FY 70 NWER MA 112 02 (Follow-up on Cont XZ-359

Maj John W. Cable, STMD

Mod 1 Continuation of work \$ 89,100.00
71 NWER MA 112 02
Time extension to 31 Dec 71.

Mod 2 Continuation of study. \$ 46,000.00
72 NWER MA 112 03
Time extension to 31 Dec 72

Mod 3 Time extension to 31 Jul 73. \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Performance Completed: 31 JUL 73

Total \$ 335,100.00

Contract Closed: 6 JAN 82

PAID: \$ 334,599.63

Sent to WNRC: 10 NOV 1982

Refund: \$ 500.37

To Be Destroyed: Dec 88

70-C-0077	Lockheed Missiles & Space Co.	CPFF (a)(11)
No	Contractor	Status
	(26 Jan 70 - 30 Nov 71)	(pre-contract in 24 Nov 69 \$500,000.00)
SUBJECT:	DIAMOND SCULLS	Contract Type & Authority
TCDT-T	988.01	\$ 4,000,000.00

Maj Joseph P. Goncz, TC

Mod 1	Balance of incremental funding.	\$2,546,883.00
	988.01	

Mod 2	additional work	\$ 1,562,980.00
	71 NWET J32RAXY X988 01	

Mod 3	Change in readiness - changes in some areas	\$ 956,212.00
	J32RAXYX988 01	
	Time extension to 15 Dec 72	

Mod 4	Incorporation of BH rates clause 1969	\$ --
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Mod 5	Change & additions to scope of work.	\$ 480,507.00
	72 NWET J32RAXYX988 01	

Mod 6	To Refurbish and modify to DIAMOND SCULLS criteria	\$ 73,553.00
	72 J32RAXYX988 04	

Mod 7	Change statement of work.	\$ 208,920.00
	72 NWET J32RAXYX988 01	

Mod 8	Time extension to 31 Mar 73	\$ --
	Delivery Instructions.	

Sent to PERM: FEB 1977

To be Destroyed 0 & 82

Brought Forward

Performance Completed: 31 Mar 74

Contract CLOSED:

CLOSED 18 Feb 74

Total	\$ 9,829,055.00
PAID	9,790,724.39
Refund:	\$ 38,330.61

LOG OF CONTRACTUAL ACTIONS

70-C-0077

LMSC

Contractor (Status) (Pre-Contract Fm	Contract Type & Authority
SUBJECT:		\$
Mod XX 9	CHANGE ORDER Increase in Scope of Work Time extension to 1 Jan 74	\$ --
Mod 2	10 Time extension to 31 Mar 74 Definitize P00009 Redesign of the Tunnel and Pipe Seals for DIAMOND SCULLS	\$ --
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Performance Completed: 31 Mar 74 Total \$ 9,829,055.00

Contract CLOSED: **CLOSED** 18.60.76 PAID: \$ 9,790,724.39

Sent to WNRC: Refund: \$ 38,330.61

No	Contractor	Status	Contract Type & Authority
	(1 Mar 70 - 30 Apr 71)	(pre-contract fm N/A)	

SUBJECT: Spectral Output Under Non-Thermal-Equilibrium Conditions.
RARP (FY70 NWER PA 010 07)

\$ 124,315.00

Dr. Robert E. Price, RARP

Mod 1 Novation Agreement.

\$ ---

Mod 2 Time extension to 15 April 1973

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

SENT TO FREEM: SEP 1975
 To be Destroyed Jul 1981

Brought Forward

\$

Finance Completed:

15 Apr 73

Total

\$ 124,315.00

PAID

122,119.96

Contract CLOSED:

CLOSED

10 Apr 75

Refund:

\$ 2,195.04

No	Contractor	Status	Contract Type & Authority
	(26 Feb 70 - 31 Mar 71)	(pre-contract in 1 Feb 70 \$12,000)	

SUBJECT: Develop an Operational Version of the VERA 2-D Radiation Transfer Code (Y) \$ 298,300.00
 RARP (FY70 NWER PA014.03)

Dr. Robert E. Price, RARP

Mod 1	Continuation of development. 71 NWER PA 014 03 Time Extension to 30 Apr 72	\$ 283,000.00
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Mod 2	Time extension to 8 Dec 72	\$ --
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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*Some work done
 to be done
 by 74
 July 80*

Brought Forward

Performance Completed:

8 Dec 72

Total PAID	\$ 581,300.00
	<u>581,300.00</u>

Contract CLOSED:

CLOSED *23 Jul 74*

Refund:	\$ -0-
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70-C-0081

Gulf General Atomic, Inc.

CPFF (a)(11)

No

Contractor

Status

Contract Type

(1 Apr 70 - 31 Jan 71) (pre-contract fm 5 Feb 70)

& Authority

- SUBJECT:

Measurement of Tunnel Environment and Early Energy at

\$ 145,490.00

TCDT-T

HUDSON MOON (Project 9.69)

LTC William E. Windmiller, TC

Mod 1

Novation Agreement.

\$ ---

Mod 2

Additional funds required to complete the work.

\$ 29,280.00

J32VAXYX986 01

Mod 3

Time extension to 30 Mar 71.

\$ --

Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

Sent to FRCEN: SEP 1975
To be Destroyed *Jul* 1981

\$

Brought Forward

\$

Performance Completed:

Total

\$ 174,770.00

PAID

173,382.00

Contract CLOSED

Refund:

\$ 1,388.00

CLOSED*Feb 71*
29 Nov 74

No

Contractor

Status

Contract Type

(9 Mar 70 - 30 Jun 71) (pre-contract in N/A)

& Authority

SUBJECT:

Reaction Rate Handbook

\$ 69,984.00

RAAE

(Follow up on Contr XZ-497)

FY70 NWER HD 010 05

Dr. C. A. Blank, RAAE

Mod 1

Time extension to 19 Oct 72

\$ ---

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Sent to FEI 1 FEB 1977

To be Destroyed Oct 72

Brought Forward

\$

\$

Performance Completed:

19 Oct 72

Total

\$ 69,984.00

PAID

69,589.00

Contract CLOSED:

12 Jul 76

Refund:

\$ 395.00

70-C-0083 Mathematical Applications Group, Inc. CPFF (a)(11)
 No Contractor Status Contract Type
 (17 Feb 70 - 30 Apr 71) (pre-contract in N/A) & Authority

SUBJECT: Prepare and test versions of the SAM-III and SAM-C Monte Carlo radiation transport programs capable of using nuclear data derived from ENDF/B format source tapes. \$ 71,545.00
 RARP (FY 70 NWER PE 083 02)
 Maj R. W. Enz, RARP

Mod 1 Continuation of work. \$ 20,250.00
 71 NWER PE 083 02
 Time extension to 30 Sep 71.

Mod 2 Produce a modern production version of the MAGI neutron & secondary gamma ray code system SINCE \$ 80,000.00
 72 NWED PE 074 03
 Time extension to 31 Oct 72.

Mod 3 Additional costs to cover OH Adjustments \$ 9,253.81
 NWER PE 083 02

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: Aug 74
 To be Destroyed Jul 79

Brought Forward \$

Performance Completed: 31 Oct 72

Total \$ 181,048.81

Contract CLOSED:

Paid 181,048.81
 Refund: \$ -0-

CLOSED

70-C-0084 Computer Applications Incorporated		FP (a) (10-8)
No	Contractor	Status
	(19 Jan 70 - 30 Jun 70)	(pre-contract fm N/A)
		Contract Type & Authority

SUBJECT: Automation personnel management system for FLDCOM
 FCCT-7 (O&M money) - \$ 77,569.00

Mr. Robert H. Bakker, FCCT 7

Mod 1	Conversion of the 360/20 BAL computer programs to 360/40 COBOL, ALC, computer programs.	\$ ---
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FREEM: Sep 72
 To be Destroyed Jul 78

Brought Forward

"IN BANKRUPTCY" - settled with the Trustees -	Total	\$ 77,569.00
David P. Alterbaum, ESQ., /co/Weil, Getshal & Manges	PAID:	29,088.00
Performance Completed: 767 Fifth Ave., N. Y. N.Y.		
Contract CLOSED:	Refund:	\$ 48,481.00

2 Jun 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(9 Mar 70 - 10 Jun 70)	(pre-contract in 3 Feb 70) \$60,887.00	
SUBJECT:	Construction of the NRL x-ray simulator generator.		\$ 122,700.00
RAEV	(FY 70 NWER LA 013 09)		

Maj Robert P. Sullivan, RAEV

Mod 1	Time extension to 31 Dec 70.	\$ ---
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8	Sent to FRCEN: SEP 1975 To be Destroyed Jul 1981	\$
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Brought Forward

Performance Completed:

Contract CLOSED:

Total \$ 122,700.00

PAID \$ 115,648.01

Refund: \$ 7,051.99

CLOSED31 Dec 70
12 Feb 75

No

Contractor

Status

Contract Type & Authority

(7 Apr 70 - 31 Dec 70) (pre-contract in N/A)

SUBJECT: RAAE

Summer Advanced Study Institute Aurora and Airglow (FY70 NWER HD 031.05)

\$ 5,000.00

Dr. C. A. Blank, RAAE

Mod 1

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Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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Brought Forward

\$

Performance Completed: 28 Feb 71

Sent to ERIC May 72

Total

\$ 5,000.00

Contract CLOSED:

To be Destroyed Jul 77

PAID:

5,000.00

Refund:

\$ - 0 -

8 Apr 71

CLOSED

70-C-0087

Yeshiva University

Cost (A)(5)

No	Contractor	Status	Contract Type & Authority
	(23 Mar 70 - 23 Jun 71)	(pre-contract in N/A)	

SUBJECT: Research on Intense Relativistic Electron Beams. \$ 29,984.00
RAEV (70 NWER LA 013 09)

Maj Robert P. Sullivan, RAEV

Mod 1 Addto scope of work. \$ 30,000.00
71 NWER LA 013 09
Time extension to 30 Sep 72

Mod 2 Continuation of work. \$ 34,993.00
71 NWER LA 013 09
Time extension to 30 Sep 73

Mod 3 Time extension to 30 Nov 73 \$ --

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed: 23 Oct 73 Total \$ 94,977.00

Contract CLOSED: 18 JAN 79 PAID 94,977.00

NOV 10/79 Refund: \$ - 0 -

Dec 85

No	Contractor	Status	Contract Type & Authority
	(1 May 70 - 30 Nov 70)	(pre-contract fm N/A)	

SUBJECT: Reaction Rate Determinations from AURORA and Other
RAAE Geophysical Phenomena
 (FY70 NWER HD 010 23)

\$ 14,950.00

Dr. C. A. Blank, RAAE

Mod 1 Time extension to 2 Mar 71.

\$ ---

Mod 2 Incorporation of OH rates clause. 70871

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

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Mod 8

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Performance Completed:

Sent to: 21 Apr 72
 To be: 21 Jul 78
 21 Mar 71

Brought Forward

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\$

Total \$ 14,950.00

PAID: 14,719.48

Contract CLOSED:

Refund: \$ 230.52

7 Mar 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(1 Apr 70 - 31 May 71)	(pre-contract in N/A)	
SUBJECT:	Evaluate, Parameterize, and Develop Efficient Computation Methods for Neutrons and Gamma Ray Transport in Air. (FY70 NWER PB 045 02)		\$ 96,682.00
RARP	Cpt C. O. Schonwalder, RARP		
Mod 1	Additional efforts 71 NWER PB 045 02 Time extension 30 Sep 71		\$ 23,575.00
Mod 2	Generate an improved data base and model for the ATR Code 72 NWED PB 045 06 Time extension to 30 Sep 72.		\$ 99,576.00
Mod 3	Develop a Parametric Model of Time-Dependent Radiation Transport in Air. 73 W99QAXP B045 07 Time extension to 31 Aug 73.		\$ 98,596.00
Mod 4	Provide computer time 72 NWED PB 045 08 Time extension to 30 Nov 73.		\$ 15,000.00
Mod 5	Time extension 15 Sep 74		\$ --
Mod 6			\$
Mod 7			\$.
Mod 8	Sent to FRGIN: FEB 1977 To be Destroyed Oct 82		\$
			\$
			\$
Brought Forward			\$
Performance Completed:	15 Sep 74	Total	\$ 333,424.00
		PAID	333,424.00
Contract CLOSED:	30 Sep 76	Refund:	\$ -0-

70-C-0091 GCA Corp.

CPTT (a)(11)

No

Contractor

Status

Contract Type

(25 Mar 70 - 25 Jun 71) (pre-contract in M/A)

& Authority

SUBJECT: Theoretical Study of Atomic and Molecular Processes.
 RAAE (70 NWER HD 028 08)

\$ 50,000.00

Dr. C. A. Blank, RAAE

Mod 1 Time extension to 21 Apr 72.

\$ ---

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

Sent to FREGEN: SEP 1975

To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed: 21 Apr 72

Total \$50,000.00
 PAID 50,000.00

Contract CLOSED:

CLOSED 17 Mar 75

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(23 Apr 70 - 31 Jan 71)	(pre-contract in N/A)	

SUBJECT: Analysis of Helicopters exposed to Nuclear Blast Loads. \$ 49,700.00
SPLN PHASE I
(FY70 NWER NB 003 01)

Mr. L. J. Belliveau, SPLN

Mod 1 PHASE II \$ 50,000.00
71 NWED NB 003 01
Time extension to 15 Oct 71

Mod 2 Time extension to 30 Nov 72 \$ ---
Serial in

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

Brought Forward \$

Performance Completed: Nov 72

Total \$ 99,700.00
PAID 99,700.00

Contract CLOSED:

Refund: \$ -0-

CLOSED 15 Oct 74

70-C-0093 Northrop Corporate Laboratories		CPTF (a)(11)
No	Contractor	Status
(3 Mar 70 - 3 Feb 71)		(pre-contract in N/A)
		Contract Type & Authority

SUBJECT: RAEV	Radiation Effects on MSI/LSI Electronic Devices and Circuits (70 NWER TB029 01)	\$ 196,509.00
LTC R. D. Carpenter, RAEV		

Mod 1	Continuation of work. 71 NWER TB 029.01 Time extension to 3 Feb 72.	\$ 253,643.00
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Mod 2	Characterization of LSI/MSI Radiation Vulnerability 72 NWED TB 02905 Time extension to 10 Mar 73.	\$ 209,880.00
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward	\$ 660,032.00
	\$ 651,407.68

Performance Completed: 22 Dec 72	Total	\$
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Contract CLOSED: 28 JUN 1978	Refund:	\$ 8,624.32
	Dec 78	
	Dec 84	

No. Contractor:

Status:

Contract Type

(6 May 70 - 6 May 71). (pre-contract for 6 Mar 70)
\$21,000

& Authority

SUBJECT:

Study of Debonations in Connection with Decoupling.

\$ 197,616.00

STSP (SPSS)

Support HUMID WATER, DINAR COIN Events of MIRACLE PLAY.

70 ARPA #1188, Amend #2

(

Maj Louis J. Circeo, SPSS

Mod 1

Time extension to 31 Dec 72.

\$ ---

Mod 2

OH Rate Adjustment

\$ 16,277.00

ARPA Order 1188/4

Mod 3

\$

Mod 4

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Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN: SEP 1975

\$

To be Destroyed Jul 1981

Brought Forward

\$

\$

Performance Completed:

Dec 72

Total \$ 213,893.00

PAID: 213,890.32

Contract CLOSED:

CLOSED

3 Sep 74

Refund: \$ 2.68

No.

COOL FACTS

RESULTS

Contract Type:

(27 Apr 70 - 31 Jul 71)) (pre contract fm N/A))

Authority

SUBJECT:

Theoretical Studies of Early Time Nuclear Burst Phenomena.

\$6 91,244.00

RARE

(70 NWER PA 010.08)

Dr. Robert E. Price, RARP

Mod. 1:

**Mod. 22**

Mod 3.

五

Mod 4

Mod 5**Mod 6**

\$

Mod 7

3

Mod 8

3

Brought Forward

\$ 91,244.00

Total

\$ 91,014.93

Performance Completed:

Dec 72

Contract CLOSED: 31MAY77

Refund:

\$ 229.07

No

Contractor

Status

Contract Type
& Authority((18 Mar 70 - 31 Oct 70) (pre-contracting 24 Jan 70)
\$14,000

SUBJECT: Passive Impulse Gages for MINT LEAF.
SPAS (70- NWET J321AXAX878.02)

\$ 14,617.00

Capt G. P. Crotwell, SPAS

Mod 11

Incorporation of OH rates for 1970

\$

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Mod 22

\$

Mod 33

\$

Mod 4.

\$

Mod 5.

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Mod 6

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Mod 7

\$

Mod 8.

\$

Sent to FROEN: 2 p 72

To be employed Jul 78

Brought Forward

\$

\$

Performance Completed:

30 Oct 70

Total \$ 14,617.00

PAID: 14,617.00

Contract CLOSED:

Refund: \$ - 0 -

27 Dec 71

CLOSED

No	Contractor	Status	Contract Type & Authority
	(17 Jun 70 - 1 May 71)	(pre-contract fm 13 Mar 70 \$14,500)	

SUBJECT:	Compilation and Analysis of Pulse-Time data.	\$ 25,818.00
SPLN	(FY70 NWER NA 005 03)	

U.S. Navy
27 Jun 70

Mr. Louis J. Belliveau, SPLN

Mod 1 Time extension to 1 Jul 71.

Mod 2

Mod 3

Mod 4

Mod 5

Mod 6

Mod 7

Mod 8

Sent to WPCEN: Sep 74
To be delayed Jul 80

Brought Forward

Performance Completed:

Contract CLOSED:

Total PAID \$ 25,818.00
25,818.00

Refund: \$ -0-

CLOSED

17 Oct 73

Contract Type
Authority

\$64,242.00

\$ 153,142.00

***\$ 19,997.00**

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●

Figure 1

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Sent to FREEM: *Aug 79*
To be Destroyed *Jul 79*

5

July 72

Total: \$ 237,381.00

PAID: 237,381.00

Refund: \$: - 0 -

20 Jun 73

WISFO

70-C-0099	Science Applications, Inc.	CPTF (a)(11)
No	Contractor	Status
	(1 Apr 70 - 31 May 71)	(pre-contract in N/A)
		Contract Type & Authority

SUBJECT: Determine Neutron and Gamma Output Spectra From Nuclear Devices.
RARP 70 NWER PA 052 01
 Dr. Robert E. Price, RARP

Mod 1 Additional tasks \$ 28,997.00
 71 NWER PA 052 01

Mod 2 Develop Methods for Calculating Low Energy Neutron Spectra From Nuclear Weapons Systems (U) \$ 34,867.00
 71 NWER PA 052 01

Mod 3 Time extension to 31 Dec 72. \$ --

Mod 4 Additional Funds to cover OH adjustment \$ 808.00
 70 NWER APA052 01

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Finance Completed: Dec 72 Total PAID \$ 184,672.00
 184,672.00

Contract CLOSED: **CLOSED** 17 Jul 74 Refund: \$ -0-

70-C-0078	Lovelace Foundation	CSST (a)(5)
No	Contractor	Status
	(1 Apr 70 - 31 Mar 71)	(pre-contract in N/A)
		Contract Type & Authority
- SUBJECT: Biomedical Participation in Canadian Multi-Ton High - STMD Explosive Blast Experiment, Summer 1970 (FY 70 NWET L35BAXMK410 05) <i>DIAL BACK</i>		\$ 40,000.00
Maj John W. Cable, STMD		

Mod 1 Time extension to 30 Jun 71. \$ --

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: *Aug 74*
 To be Destroyed *Jul 79*

Brought Forward \$

Performance Completed:

21 July 71

Total \$ 40,000.00

PAID: 40,000.00

Contract CLOSED:

Refund: \$ - 0 -

19 Jan 73

CLOSED

No	Contractor	Status	Contract Type & Authority
	(20 Apr 70 - 30 Oct 70)	(pre-contract in N/A)	

SUBJECT: Performance Study of Dual Composite Materials Phases II & III \$ 36,000.00
 SPAS 70 NWER AB 231 13

LTC Austin Lowrey III, SPAS

Mod 1	Continuation of work. 71 NWER AB 231.13 Time extension to 30 Sep 71	\$ 109,900.00
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Mod 2	Time extension to 15 Dec 71.	\$ --
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8	Sent to FRCEN: SEP 1975 To be Destroyed Jul 1981	\$
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Brought Forward	\$
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Performance Completed: Dec 71

Total	\$ 145,900.00
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PAID	144,360.00
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Contract CLOSED:

CLOSED

Refund:	\$ 1,540.00
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0201 - 0125

No	Contractor	Status	Contract Type & Authority
	(1 Apr 70 - 31 Jun 71)	(pre-contract fm N/A)	

SUBJECT: Eclipse Data Analysis Proposal
RAAE (70 NWER HD031 06)

\$ 29,174.00

Dr. C. A. Blank. RAAE

Mod 1 Time extension to 7 Jul 72.
Updating OH Clause.

\$ ---

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

RECEIVED:

dated

7/27/72
Jul 80

Brought Forward

\$

\$

Finance Completed:

7 Jul 72

not CLOSED:

CLOSED

2 NOV 73

Total
PAID

\$ 29,174.00

28,907.30

Refund:

\$ 266.70

No	Contractor	Status	Contract Type & Authority
	(1 Apr 70 - 31 May 71)	(pre-contract fa N/A)	

SUBJECT: A Program to Modify and Improve the ANTE Computer Program. \$ 49,975.00
 RARP (70 NWER PB 050.01)

Capt C. O. Schonwalder, RARP

Mod 1 Expand the capabilities of the ANTE Computer Program \$ 29,449.00
 71 NWER PB 050 01
 Time extension to 30 Nov 71.

Mod 2 Extend capabilities of the ANTE 3 Monte Carlo Code \$ 49,997.00
 72 NWED PE 074 04
 Time extension to 31 Dec 72.

Mod 3 Additional funds to cover OH adjustments \$5,281.00
 70 12 NWER PB 050 01

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed: 31 Dec 72

Total \$ 134,702.00
 PAID 134,702.00

Contract CLOSED:

Refund: \$ -0-

90273
 CLOSED

No	Contractor	Status	Contract Type & Authority
	(10 Apr 70 - 9 Apr 71)	(pre-contract in N/A)	

SUBJECT: Compilation and Analysis of Flash Blindness and Retinal Burn Data
 NDMA (70 NWER ME 192 01)

\$ 25,912.00

LCDR William H. Kolb, NDMA

Mod 1 Time Extension to 1 Aug 71.

\$

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

APPROVED:
 Approved

Brought Forward

\$

Performance Completed:

Total PAID

\$ 25,912.00
25,912.00

Contract CLOSED:

Refund: \$

-0-

16 OCT 73

No	Contractor	Status	Contract Type & Authority
	(1 May 70 - 30 Apr 71)	(pre-contract fm N/A)	

SUBJECT: Evaluation and Documentation of the Revised Defense Land
 RARP Fallout Interpretative Code (DELFIC). \$ 59,995.00
 70 NWER PD 068 03

CDR R. M. Wagner, RARP

Mod 1 Cost for (costgrowth) printing, distribution and Mailing of \$ 1,138.62
 Final Report.
 71 NWER PD 068 03

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: ^{SEP} 1975
 To be Destroyed *Jul 1981*

Brought Forward \$

ormance Completed: *1 Jul 71*

Total \$ 61,133.62.
 PAID 61,133.62

Contract CLOSED:

Refund: \$ -0-

CLOSED, *15 Oct 74*

70-C-0105	Mathematical Applications Group, Inc.	CPTF (a)(11)
No	Contractor	Status
	(1 Apr 70 - 31 May 71)	(pre-contract in N/A)
		Contract Type & Authority

SUBJECT: Further Development of Improved Techniques for Determining the Time-Dependent History of a Radiation Field Interacting with a Fluid Dynamic Field. \$ 49,983.00
 RARP (70 NWER PA 014 11)
 Dr. Robert E. Price, RARP

Mod 1 Change appropriations from 01411 to 01415 \$ --
 Time extension to 1 Mar 72.

Mod 2 Additional work funds to cover OH adjustments. \$ 5,381.76
 NWER PA 014 15

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: Aug 74
 To be Destroyed Jul 79

Brought Forward \$

Performance Completed: Feb 1972

Total \$ 55,364.76

Paid 55,364.76

Contract CLOSED:

Refund: \$ -0-

13 Jul 73

CLOSED

No	Contractor	Status	Contract Type & Authority
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(1 Apr 70 - 31 Mar 71) (pre-contract in N/A)

SUBJECT: Study of Block Motion in Rock Media
STEP (SPSS) 70 NWER SB 047 28

\$ 86,880.00

Maj Lawson P. Mosteller, SPSS

Mod 1 Time extension to 15 Feb 72.

\$ --

Mod 2

\$

Mod 3

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Mod 4

\$

Mod 5

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Mod 6

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Mod 7

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Mod 8

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Brought Forward

\$

Performance Completed: 3 Jan 72

Contract CLOSED:

Total \$86,880.00
PAID 86,387.65

Refund: \$ 501.35

CLOSED

29 Oct 73

70-C-0107

General American Research Division
General American Transportation Corp.

CPFF (a)(11)

No

Contractor

Status

Contract Type
& Authority

24 Mar 70- 24 Nov 70) (pre-contract fm N/A)

SUBJECT: Two Ton Blast Directing Experiment
SPLN (70 NWER NA 007.16)

\$ 28,000.00

Maj William J. Shepard, SPLN

Mod 1

Additional tasks
71 NWED NA 007 16
Time extension to 16 Jul 71

\$ 23,400.00

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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Sent to FRCEN: Aug 74
To be Destroyed Jul 79

Brought Forward

\$
\$

Performance Completed: 16 Jan 72

Total \$ 51,400.00
PAID ~~XXXX~~ 51,400.00

Contract CLOSED:

Refund: \$ - 0 -

14 Aug 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(1 Apr 70 - 30 Jan 71)	(pre-contract fm N/A)	

SUBJECT: Theoretical support of stemming and containment experiments \$ 59,878.00
 STEP (SPSS) 70 NWET J24AAXYX983 04 (U)

Mr. J. G. Lewis, SPSS

Mod 1	Novation Agreement.	\$ ---
Mod 2	Stemming & Front End Design & Calculations. 71 NWET J24AAXYX983 05 Time extension to 30 Sep 71	\$ 199,281.00
Mod 3	Additional task	\$ --
Mod 4	Time extension to 12 May 72.	\$ --
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Brought Forward

Finance Completed:

12 May 1972

Contract CLOSED:

15 FEB 77

Total \$ 259,159.00

PAID: 259,159.00

Refund: \$ - 0 -

Sent to FROEN: Dec 77
 To be Destroyed Oct 83

No	Contractor	Status	Contract Type & Authority
	(26 Mar 70 - 5 Aug 70)	(pre-contract in N/A)	

SUBJECT: Communications System Survivability in Time of Stress.
DDST 70 NWER DB 001 06

\$ 46,421.00

LTJG Mathias C. Schramer, STVL

Mod 1 Continuation of the basic contract.
70 NWER DD 001 01
Time extension to 31 Mar 71.

\$ 200,693.00

Mod 2 Funds to cover computer time.
71 NWER DD 001 01

\$ 8,287.00

Mod 3 Additional computer time
71 NWER ~~DD 001 01~~ DD 001 01

\$ 2,246.00

Mod 4 Study of communications system transmission facility
Marshalling Points
71 NWER DD 001 01
Time extension to 30 Nov 71

\$ 49,615.00

Mod 5 Time extension to 31 Mar 72.

\$ --

Mod 6

\$

Mod 7

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Mod 8

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Sent to FP EN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

\$

Performance Completed: 31 Mar 72

Total \$ 307,262.00

PAID 305,333.63

Contract CLOSED: 10 June 1974

Refund: \$ 1,928.37

No	Contractor	Status	Contract Type & Authority
	(30 Jun 70 - 30 Jun 71)	(pre-contract in N/A)	

SUBJECT: Determination of optimum diagnostic techniques for the measurement of the output characteristics of pulsed x-ray machines
RAEV 70 NWER LA 013 10
 Maj Robert P. Sullivan, RAEV

\$ 39,690.00

Mod 1 Incorporation of OH rates for 1970
 Time extension to 30 Sep 71.

\$ --

Mod 2 Change in reporting requirements.
 Time extension to 31 Dec 72.

\$ --

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

SEP 74
 APPROVED
 JUNE 80

Brought Forward

\$

Performance Completed:

30 Sep 71

Total
PAID\$ 39,690.00
39,690.00

Contract CLOSED:

Refund:

\$ -0-

CLOSED

400K73

70-C-0111 Battelle Memorial Institute

No	Contractor	Status	Contract Type & Authority
	(1 May 70 - 30 Apr 71)	(pre-contract in N/A)	

SUBJECT: Upgrade, expand, and rewrite the TREE Preferred Procedures \$ 70,635.00
RAEV 70 NWER TE 060 12

Maj Stanley O. Kennedy, RAEV

Mod 1 Additional time and effort \$ 15,628.00
71 NWER TE 060 12
Time extension to 31 Aug 71.

Mod 2 Expanded work scope and time extension to 31 Aug 72 \$ 55,781.00
FY 1972 NWED - TE060-16

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

Brought Forward

Performance Completed: 11 Oct 1972

Total \$ 142,244.00
Paid 142,244.00

Contract CLOSED:

CLOSED, 11 Oct 74

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(27 Apr 70 - 30 Jun 71)	(pre-contract in N/A)	

SUBJECT: Optical Study of the Mechanics of Front Surface Effects.
SPAS 70 NWER AC 321 04

\$ 49,507.00

1Lt J. E. Cockayne, SPAS

Mod 1 Time extension to 1 Oct 71
 Update "Negotiated Overhead Rates" Clause

\$ ---

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

Sent to FRCEN: SEP 1975
 To be Destroyed Jan 1981

\$

Brought Forward

\$

Performance Completed: 10 & 71

Total \$ 49,507.00

PAID 49,007.17

Contract CLOSED:

CLOSED

12 Feb 75

Refund: \$ 499.83

70-C-0113 ECG, Inc. TGoleta)

CPFF (a)(11)

No

Contractor

Status

Contract Type
& Authority(27 Mar 70 - 15 Aug 70) (pre-contract fm 6 Mar 70)
\$1,100

SUBJECT: Provide 2 gages.

\$ 12,000.00

SPAS

70 NWET J11AAXA X502 05

Capt G. Philip Crotwell, SPAS

Mod 1

\$

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed:

Total \$ 12,000.00
PAID 11,947.80

Contract CLOSED:

Refund: \$ 52.20

CLOSED

15 May 75

No	Contractor	Status	Contract Type & Authority
	(15 Apr 70 - 15 May 71)	(pre-contract fm N/A)	

SUBJECT: Mixed Phase Effects on Impulse Generation (S)
SPAS 70 NWER AC 321 02

\$ 99,972.00

Capt A. Weston, SPAS

Mod 1 Time extension to 31 Jul 72.

\$ ---

Mod 2 Additional funds to cover cost growth
70 NWER AC 321 09

\$ 7,192.00

Mod 3 Time extension to 25 Jan 73

\$ --

Mod 4 Additional Funds to cover Cost Growth
FY70 NWER A AC321 09

\$ 1,944.00

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FROEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed: 25 Jan 73

Total PAID \$ 109,108.00
109,108.00

Contract CLOSED:

CLOSED 3 Sep 74

Refund: \$ -0-

70-C-0115

Re-Entry Physics Department

A Division of RMR Industries, Inc.

FP (A)(11)

No	Contractor	Status	Contract Type & Authority
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(15 Apr 70 - 31 Dec 70) (pre-contract in N/A)

SUBJECT: Series of 30 data points on plastic type vehicle .
SPAS materials within ~~max~~ current run capability.
70 NWER AA 127 11

\$ 91,930.00

Capt A. A. Weston, SPAS

Mod 1

\$

Mod 2

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Mod 3

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Mod 4

\$

Mod 5

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Mod 6

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Mod 7

\$

Mod 8

\$

Performance Completed:

Sent to ~~SPAS~~ Sep 72
To ~~SPAS~~ Jul 78
1 Apr 72

Brought Forward

Total	\$ 91,930.00
PAID:	91,930.00

Contract CLOSED:

Refund: \$ - 0 -

25 May 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(1 May 70 - 31 Jan 71)	(pre-contract fm N/A)	

SUBJECT: Dust effects
SPAS 70 NWER AA 127 14

\$ 24,946.00

Capt A. A. Weston, SPAS

Mod 1 Time extension to 30 Jun 71.

\$ ---

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

\$

Mod 8

\$

Sent to EECEN: Sep 72

To be Destroyed Jul 78

Brought Forward

\$

\$

Performance Completed:

1 May 71

Total \$ 24, 946.00

PAID: 24,946.00

Contract CLOSED:

Refund: \$ - 0 -

14 Apr 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(15 Apr 70 - 30 Apr 71)	(pre-contract in N/A)	

SUBJECT: Continuation of studies of Fallout and Nuclear Clouds from \$ 49,995.00
 RARP Surface and Near Surface Bursts.
 70 NWER PD 073 02

CDR R. M. Wagner, RARP

Mod 1 Extra effort and time required to incorporate latest developm. \$ 6,958.00
 71 NWER PD 073 02
 Time extension 31 May 71

Mod 2 Time extension to 8 Mar 72. \$ ---

Mod 3 Increase in Allowable Costs \$2,252.00
 (FY70 NWER A PD073 02)

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRGEN: SEP 1975
 To be Destroyed Jul 1981

Brought Forward \$

Performance Completed: 8 Mar 72

Total paid \$ 59,205.00
 59,205.00

Contract CLOSED: **CLOSED** 25 Mar 75

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(22 May 70 - 30 Jun 71)	(pre-contract fm 16 Apr 70) \$15,000	
SUBJECT: Cratering-induced ground motion measurements on the SPLN DIAL PACK Event. 70 NWET L35BAXSX302 02 Maj Frusti, SPSS			\$ 49,478.00

Mod 1	Delete the final report - reduce performance period to 30 Nov 70.	\$ ---
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Mod 2		\$
-------	--	----

Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
-------	--	----

Mod 8	Sent to ARGEN: SEP 1975 To be Destroyed Jul 1981	\$
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Brought Forward

Performance Completed:

Contract CLOSED:

Total PAID	\$ 49,478.00
	<u>49,062.96</u>

Refund:	\$ 415.04
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CLOSED

15 Oct 74

No	Contractor	Status	Contract Typ & Authority
	(1 May 70 - 1 May 73)	(pre-contract fm)	

SUBJECT: To replace Contract DA-49-146-XZ-385 (F)

\$ --

Mod 1 Update Schedule A and General Provisions.

\$ --

Mod 2 Annual updating of Schedule A and General Provisions

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

\$

Mod 8

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Brought Forward

\$

Performance Completed:

Contract CLOSED:

9 Nov 73

CLOSED

Total

\$

Refund:

\$

No	Contractor	Status	Contract Type & Authority
1	(25 Jun 70 - 24 Sep 71)	(pre-contract fm N/A)	

SUBJECT: Systems Implications of Nuclear Effects (U)
RAAE 70 NWER HC 064 05

\$149,019.00

LTC Donald M. Rhea, RAAE

Mod 1 Time extension to 28 Jun 72.

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

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Mod 5

\$

Mod 6

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Mod 7

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Mod 8

\$

Sent to I RCEN: SEP 1975
To be Destroyed Jul 1981

Brought Forward

\$

Performance Completed: 28 Jun 72

Total PAID	\$ 149,019.00
	147,617.00

Contract CLOSED:

CLOSED, 20 Nov 74

Refund: \$ 1,402.00

No	Contractor	Status	Contract Type & Authority
	(1 Jun 70 - 31 Mar 71)	(pre-contract in N/A)	

SUBJECT: Support of analysis of seismic decoupling of contained nuclear explosions. \$ 24,700.00
 STSP(SPSS) (ARPA #1438, Amend #3, Program Code OF10)

Mr. M C. B. McParland, SPSS

Mod 1	Time extension to 6 Jul 71	\$	--
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Mod 2		\$	
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Mod 3		\$	
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Mod 4		\$	
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Mod 5		\$	
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Mod 6		\$	
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Mod 7		\$	
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Mod 8		\$	
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Brought Forward	\$	
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Performance Completed:

Contract CLOSED:

Total \$ 24,700.00

PAID 24,700.00

Refund: \$ -0-

6 July 71

12 Mar 74

No	Contractor	Status	Contract Type & Authority
	(1 Jun 70 - 31 Jan 71)	(pre-contract in N/A)	

SUBJECT: DASA Project 617 Radar Relocation
RAAE 70 NWET/ATR K43 AAX HX 617 01

\$ 247,565.00

Mr. Dow E. Evelyn, RAAE

Mod 1	Continuation of work.	\$ 299,972.00
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NWET K20AAXH X617 02 \$ 73,945

NWER H A 048.05 266,027

Time extension to 31 Dec 71

Mod 2	Continuation of effort.	\$ 149,298.00
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71 NWET K 43 AAX HX 617 03

Time extension to 15 Feb 72

Mod 3	Reimbursement for hosting DNA HANE Symposium	\$ 12,615.00
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72 NWED - Ha048-07

Mod 4	Time extension to 31 May 72.	\$ --
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Mod 5		\$
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Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8	Sent to FRCEN: Aug 74 To be Destroyed Jul 79	\$
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Brought Forward

Total \$ 709,453.00

PAID: 709,453.00

Contract CLOSED:

Refund: \$ - 0 -

20 Jun 73

CLOSED

No	Contractor	Status	Contract Type & Authority
	(23 Apr 70 - 31 Jul 71)	(pre-contract fm N/A)	

SUBJECT: Continuation of LAMBDA Program.
 RAAE (Follow-on Cont DA-49-146-XZ-350)
 70 NWET K11 BAX HX 533 01

\$ 99,957.00

Dr. Charles A. Blank, RAAE

Mod 1 Change Subtask to correct error
 (from: 53002 to 53302)

\$ ---

Mod 2 Time extension to 17 Aug 72.

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FROZEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

Performance Completed: 17 Aug 72

Total \$ 99,957.00

PAID 99,957.00

Contract CLOSED:

Refund: \$ -0-

CLOSED 17 Aug 75

70-C-
0126 - 0150

70-C-0126	Kaman Nuclear	CPFF (a)(11)
No	Contractor	Status
(28 Apr 70 - 30 Apr 71) (pre-contract fm N/A)		Contract Type & Authority

SUBJECT: SPAS	Hollow-on to X-Ray Attenuation Cross Section Handbook (U) 70 NWER AA 109 07	\$ 49,871.00
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1Lt John Cockayne, SPAS

Mod 1	X-Ray attenuation Cross Section Handbook 109.07	\$ 34,859.00
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Mod 2	Continuation of work. 71 NWER AA 109 07 Time extension to 31 Jul 71.	\$ 18,110.00
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Mod 3	Continuation of work 72 NWED AA109 08 Time extension to 30 Sep 72	\$ 29,922.00
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Mod 4	Incorporation of Advance Agreement for Computer Services	\$ --
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8	Sent to PRGEN: SEP 1975 To be Destroyed Jul 1981	\$
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Finance Completed: 13 Nov 72

Contract CLOSED:

CLOSED

28 Jan 75

Total	\$ 132,762.00
PAID	132,519.82

Refund:	\$ 242.18
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No	Contractor	Status	Contract Type & Authority
	(15 May 70 -15 May 73)	(pre-contract in)	

SUBJECT:

\$ --

Mod 1 Update Schedule "A" and General Provisions.

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

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Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Total

\$

Contract Completed:

Contract CLOSED:

14 FEB 77

Sent to FRCEN: Dec 77

To be Destroyed Oct 83

Refund:

\$

No	Contractor	Status	Contract Type & Authority
	(1 May 70 - 30 Nov 70)	(pre-contract in N/A)	

SUBJECT: Perform a reentry Vehicle Lethality Program (U)
 SPAS 70 NWER AC 320 04

\$ 99,996.00

LTC Austin Lowrey III, SPAS

Mod 1	\$
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Mod 2	\$
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Mod 3	\$
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Mod 4	\$
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Mod 5	\$
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Mod 6	\$
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Mod 7	\$
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Mod 8	\$
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Sent to FROEN: Sep 72

To be Destroyed Jul 78

Brought Forward \$

Performance Completed:

Total \$ 99,996.00

PAID: 97,915.97

Contract CLOSED:

Refund: \$ 2,080.03

1 Feb 72

No	Contractor	Status	Contract Type & Authority
	(20 Apr 70 - 30 Nov 70)	(pre-contract fm N/A)	

Wk 27 Apr 70

SUBJECT: TROIKA Lethality Study
SPAS 70 NVER AC 320 05

\$ 104,129.00

LTC Austin Lowery III (SPAS)

Mod 1

\$

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Mar 71

ornance Completed:

Total \$ 104,129.00
PAID 101,971.20

Contract CLOSED:

CLOSED 11 Jun 75

Refund: \$ 2,157.80

No	Contractor	Status	Contract Type & Authority
	(30 Jun 70 - 31 Oct 71)	(pre-contract in N/A)	

SUBJECT: PREDIX Materials Phenomenology Experiments for Camphor (U)	\$ 219,177.00
SPAS 70 NWET J451AXBC 878 02	

Mr. D. J. Kohler, SPAS

Mod 1	ABestos Phenolic Experiments on CAMPHOR (U)	\$ 45,762.00
	71 NWET J451AXBC 878 02	

Mod 2	Field evaluation of 2 MHz Tape Recorders	
	Additional work	\$ 9,920.00
	JA5AAXY97011 11	

Mod 3	Additional costs incurred by delay of event	\$ 22,414.00
	72 NWET J451AXBC 878 02	

Mod 4	Time extension to 22 Jun 73	\$ --
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward	\$
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Performance Completed:

22 Jun 73

Contract CLOSED: 13 April 1977

Sent to FRGEN: Dec 77
To be Destroyed Oct 83

Total	\$ 297,273.00
PAID	297,273.00

Refund:	\$ -0-
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No

Contractor

Status

Contract Type
& Authority

(1 May 70 - 31 Jan 71) (pre-contract fm N/A)

SUBJECT: Develop a Two-Dimensional Snapshot Code.
RARP 70 NWER PA 014 12

\$ 26,325.00

Dr. Robert E. Price, RARP

Mod 1 Time extension to 1 October 1971.

\$ --

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed:

Oct 71 To be completed Jul 78

Total \$ 26,325.00

PAID: 26,325.00

Contract CLOSED:

Refund: \$ - 0 -

1 Feb 72

70-C-0132

Lockheed Missiles & Space Co.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
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(1 May 70 - 31 Jul 71) (pre-contract in N/A)

SUBJECT: Study the Phenomenology of the Debris Patches Produced by
RAAE High Altitude Nuclear Detonations (H)
70 NWER HC 062 07

\$ 49,730.00

Capt Thomas H. Johnson, RAAE

Mod 1 Time extension to 15 Jun 72.
Updating OH Clause.

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed: 16 May 1972

Total	\$ 49,730.00
PAID:	49,730.00

Contract CLOSED: 25 Sep 73

Refund: \$ - 0 -

CLOSED

70-C-0133

Isotopes, Inc.

CPFF (a)(11)

No

Contractor

Status

Contract Type

(1 May 70- 30 Jun 71) (pre-contract fml Apr 70)

& Authority

\$8,000

SUBJECT: Study of Radioactive Gas Transport Mechanism near underground \$ 77,911.00
 ARPA Nuclear Explosions by numerical analysis.

ARPA No. 1619, Program Code OF10, Program Element Code 62701D

Dr. Stanley Ruby, ARPA

Mod 1

Overhead Rate Adjustment

\$ 4,574.00

ARPA Order 1619/2

Time extension to 30 Apr 72

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

\$

Finance Completed:

April 72

Total \$ 82,485.00

PAID: 82,485.00

Contract CLOSED: 19 DEC 77

Refund: \$ - 0 -

Dec 78

Dec 84

No	Contractor	Status	Contract Type & Authority
	(12 May 70 - 15 Aug 71)	(pre-contract fm N/A)	

SUBJECT: Operation of ARES Facility. \$ 299,400.00
 (70 NWET L37AAXYX970 01)
 Successful bidder on RFP DASA01-70-R-0002

Mod 1 Incremental funding \$ 169,616.00
 71 NWET L37AAXYX970 04

Mod 2 Include extended work week authorizations ARES \$ ---

Mod 3 Increase level of effort, ARES. \$ 31,270.00
 970.04

Mod 4 Cover costs for maintenance, operation & data reduction \$ 679,903.00
 incurred as a result of MINUTEMAN use of the ARES facility.
 Time extension 15 Aug 72
 71 NWET L37AAXYX970 09

Mod 5 Continuation of work. \$ 133,651.00
 MIPR AFB (FY76167200030) 970.07
 0039
 Time extension to 30 Sep 72.

Mod 6 Continuation of work \$ 206,552.00
 Extension to 11 May 1973.
 72 NWET L37CAXYX970 08

Mod 7 \$

Mod 8 Sent to FRCEN: SEP 1975 \$
 To be Destroyed Jul 1981

Performance Completed: 11 May 73
 Contract CLOSED: **CLOSED** 28 Jan 75
 Total PAID \$ 1,520,392.00
 Refund: \$ 1,493,826.80
 \$ 26,565.20

No	Contractor	Status	Contract Type & Authority
	(12 May 70-11 Feb 71)	(pre-contract in N/A)	

SUBJECT: Study Blast wave boundary layers and particle entrainment. \$ 30,000.00
 STSP(SPSS) 70 NWER SA 001 01

Mr. C. B. McFarland, SPSS

Mod 1 Time extension to 3 May 71. \$ ---

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to Public: SEP 1975
 To be destroyed Jul 1981

Brought Forward \$

Performance Completed: 3 May 71

Total \$ 30,000.00
 PAID 30,000.00

Contract CLOSED:

Refund: \$ -0-

CLOSED 4 Feb 75

No	Contractor	Status	Contract Type & Authority
	(1 May 70 - 28 Feb 71)	(pre-contract in N/A)	

SUBJECT: Reentry Vehicle Lethality Studies
SPAS 70 NWER AC 320 06

\$ 114,932.00

LTC Austin Lowrey III, SPAS

Mod 1

\$

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

SEP 1975
Sent to FRCEN:
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed:

7 Feb 71

Total \$ 114,932.00
PAID 114,476.45

Contract CLOSED:

CLOSED 11 June 75

Refund: \$ 455.55

70-C-0137	Gulf General Atomic Inc.	CPFF (a)(11)
No	Contractor	Status
(27 May 70 - 25 May 71) (pre-contract in N/A)		Contract Type & Authority

SUBJECT: Establishment and Maintenance of a Piece Parts Data Bank \$ 246,222.00
RAEV 70 NWER TE 060 11

Maj S. O. Kennedy, RAEV

Mod 1	Novation Agreement.	\$ ---
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Mod 2	Continuation of work. 71 NWER TE p 060 11 Time extension to 25 Nov 71	\$19,984.00
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Mod 3	Time extension to 31 Dec 72. Continue maintenance of Data Bank 72 NWED TE 060 20	\$96,010.00
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Mod 4	Additional work and extension of time to: 15 Feb 73.	\$ 31,600.00
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Mod 5	Time extension to 6 Apr 73	\$ --
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Mod 6	Cost Growth FY70 NWED A TE060 11	\$ 30,644.00
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Mod 7		\$
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Mod 8		\$
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Brought Forward	\$
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ance Completed: 6 Apr 73	Total	\$ 424,460.00
	PRND:	424,460.00

Contract CLOSED: 9 NOV 76	Refund:	\$ - 0 -
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Sent to FROEN: Dec 77
 To be Destroyed Oct 83

70-C-0138 EGBG, Albuquerque, N.M. CFF (a)(21)
 No Contractor Status Contract Type
 (1 May 70 - 31 Aug 71) (pre-contract fm 9 Feb 70) & Authority
 \$100,000

SUBJECT: LOS Pipe System for DIAGONAL LINE \$ 994,174.00
 TCDT-N 70 J29JAXYX990 01

CDR Melvin L. Scott, TC

Mod 1 Provide bolts for use on various closures. \$ 68,623.00
 71 J29JAXYX990 01

Mod 2 Satellite Hole Soil Stress Measurements. \$ 54,827.00
 71 J29JAXYX987.03

Mod 3 TV System for Display of experiment House Visual Data \$ 14,665.00
 71 NWET J29JAXY X990 02

Mod 4 Provide pull test fixtures and cable stand-offs in support \$ 16,800.00
 of the Diagonal Line LOS Pipe system.
 NWET J29JAXYX990 01

Mod 5 Provide 2 Collimators/Vacuum Spacers on DIAGONAL LINE Pipe \$ 4,566.00
 71 NWET J29JAXY X990 01

Mod 6 Additional funds caused by delay of Test Event \$ 88,173.00
 71 J 29JAXYX990 01
 Time extension to 5 Nov 71

Mod 7 Additional funds incurred in delay of tests. \$ 266,070.00
 71 NWET J29JAXYX990 01
 Time extension to 4 Nov 72

Mod 8 Additionnal funds to cover delay in event. \$ 90,018.00
 72 NWET J29JAXYX990 01
 Reduce time of performance to: 5 Jul 72.

Sent to FROCK: FEB 1977
 To be Destroyed Oct 62

Brought Forward \$
 Total \$ 1,597,916.00
 PAID 1,597,210.56
 Refund: \$ 705.44

Finance Completed: 25 Jul 72

Contract CLOSED:

CLOSED 12 Dec 75

No	Contractor	Status	Contract Type & Authority
	(20 Apr 70 - 19 Mar 71)	(pre-contract in N/A)	

SUBJECT: Development of Diagnostics for the Low Energy Region (H) \$ 243,483.00
SPAS 70 J11AAXAX504 23

Capt G. P. Crotwell, ~~XXX~~ SPAS

Mod 1 Time extension to 31 January 1973. \$ ---
 Updating the "Negotiated Overhead Rates" Clause.

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to TRCEN: SEP 1975
 To be Destroyed Jul 1981

Brought Forward \$

Advance Completed: 11 Jan 73

Total \$ 243,483.00
 PAID 243,483.00

Contract CLOSED:

Refund: \$ -0-

CLOSED 15 Oct 74

No	Contractor	Status	Contract Type & Authority
	(1 Apr 70 - 30 Nov 70)	(pre-contract fm N/A)	

SUBJECT: Compute contributions of thermal neutron capture gamma rays \$ 25,533.00
 STSP (SPSS) 70 NWER SA 001 06
 Follow-on to Cont 69-C-0167

Maj Lawson P. Mosteller, Jr., SPSS

Mod 1	Improve Ground Coupling Calculations 71 NWER SA 001 12 Time extension to 14 Feb 72.	\$ 85,990.00
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Mod 2	Additional funds to cover OH adjustments. 70 NWER SA001 12	\$ 617.00
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
-------	--	----

Brought Forward

\$
\$

Performance Completed: 14 Feb 72

Total \$112,140.00
 PAID 112,140.00

Contract CLOSED:

CLOSED 18 July 74

Refund: \$ -0-

70-C-0141

The

Aerospace Corporation

No

Contractor

Status

CPTF (a)(11)

Contract Type

& Authority

(15 Jun 70 - 15 May 71)

(pre-contract fm 8 Jun 70)

\$4,000

SUBJECT:

Study of Advanced Hard Basing Technology

\$ 102,859.00

STEP(SPSS)

ARPA 1621, Program Code OF10

Mr. C. B. McFarland, SPSS

Mod 1

Time extension to 14 Jun 71.

\$

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Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

\$

Performance Completed:

May 71

Total

\$ 102,859.00

PAID

102,859.00

Contract CLOSED:

Refund:

\$

-0-

16 Oct 73

No	Contractor	Status	Contract Type & Authority
	(7 Apr 70 - 6 Oct 71)	(pre-contract fm N/A)	

SUBJECT: Experiments for the DIAGONAL LINE Test (U)
 RAEV 70 NWET J29JAXBX 777 01- \$222,968

\$ 623,199.00

787 02- ~~\$400,500~~ 400,231

Lt George M. Henry, RAEV

Mod 1 Novation Agreement.

\$ ----

Mod 2 additional costs incurred by delay of event.
 71 NWET J29JAXBX777 01
 Time extension to 6 Feb 72

\$ 85,620.00

Mod 3 Additional costs to support the extended period of performance
 72 NWET J29JAXBX777 01
 Time extension to 15 Jul 72.

\$ 133,742.00

Mod 4 Time extension to 31 Dec 72.

\$ --

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FROEN: FEB 1977

To be Destroyed 02 82

Brought Forward

\$

\$

Performance Completed: 30 Dec 72

Total \$ 842,561.00

PAID 842,561.00

Contract CLOSED:

26 Aug 76

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(18 May 70 - 31 Aug 71)	(pre-contract fm 1 May 70)	
		\$10,000	

SUBJECT: Trigger Scheme for GAMBLE I
RAEV 70 NWER LA 013 11

\$ 60,000.00

LTC Robert P. Sullivan, RAEV

Mod 1 Add the ~~incremental~~ additional incremental funding.
71 NWER LA 013 11

\$ 119,052.00

Mod 2 Time extension to 30 June 72.

\$ --

Mod 3 Additional funds to cover cost growth
70-NWER LA 013 11

\$ 15,169.00

Mod 4 Time extension to 8 Aug 74

\$ --

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

Brought Forward

\$

Performance Completed:

8 Aug 74

Total \$ 194,221.00
PAID 192,221.00

Contract CLOSED:

CLOSED 11 Jan 75

Refund: \$ 2,000.00

No	Contractor	Status	Contract Type & Authority
	(15 Oct 70 - 1 Aug 71) *	(pre-contract in N/A)	

SUBJECT:	Maintenance/upkeep of engineering designs and supporting data	\$ 48,456.00
TCDR-02	(MIGHTY SKY)	

VR
 Maj Francis Engle, TC.

Mod 1 Time extension to 1 Nov 71. \$ ---

Mod 2 Addition of Drawings as GFM w/Proprietary Provisions \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed: 12 Feb 72

Contract CLOSED:

Total \$ 48,456.00
 PAID 48,305.90

Refund: \$ 150.10

8 MAR 74

No	Contractor	Status	Contract Type & Authority
	(2 Jun 70 - 1 Nov 70)	(pre-contract fm N/A)	

SUBJECT: Rehabilitation/Modification of a 70mm Black & White Mobile Laboratory \$ 19,989.00
 TCDR-02
 NWET K20AAXYX922 02

Mr Francis J. Engel, Jr., TC

Mod 1 Additional services of Black & White Mobile Lab. \$ 2,998.00

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Cont to FRCEN. May 72
 To be Destroyed Jul 77

Performance Completed:

Contract CLOSED:

Brought Forward

Total \$ 22,987.00

PAID: 22,060.00

Refund: \$ 927.00

24 Dec 70

CLOSED

No	Contractor	Status	Contract Type & Authority
	(29 Jun 70 - 30 Jun 71)	(pre-contract in N/A)	

SUBJECT: Design and programming required for HD, DASA ADPE Security and Communications Handler Systems. \$ 115,171.00
 COMP-1 70

Mod 1 Time extension to 30 Jun 72. \$ ---

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Finance Completed:

15 Mar 72

Total \$ 115,171

Paid 91,964

Contract CLOSED:

30 Sep 77

Refund: \$ 23,207

Sent to FRGEN: Dec 77
 To be Destroyed Oct 83

No	Contractor	Status	Contract Type & Authority
	(1 Jun 70 - 31 May 71)	(pre-contract fm N/A)	

SUBJECT: Planning Studies for the DoD High Altitude Nuclear Test Program\$ 150,607.00
STRA 70 NWET K43 AAX YX 907 02

Capt Stuart E. GARBUTT. STRA

Mod 1 Evaluation of OST's for High Altitude Nuclear Tests \$ 99,982.00
71 NWET K 43 AAXYX907 06
Time extension to 30 Apr 72

Mod 2 Time extension to 31 Dec 72. \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 Sent to FRCEN: SEP 1975 \$
To be Destroyed Jul 1981

Brought Forward \$

Performance Completed: 31 Dec 72

Total \$ 250,589.00
PAID 250,589.00

Contract CLOSED:

Refund: \$ -0-

CLOSED. 20 Aug 74

No

Contractor

Status

Contract Type

(8 Jun 70 - 7 Dec 71) (pre-contract fm N/A)

& Authority

SUBJECT:
SPASMaterial Response Phenomenology in CAMPHOR.
70 NWET J45IAXB C878 01

\$ 158,143.00

Maj D. R. Shover, SPAS

Mod 1

Rearrange & modify several experiments
71 NWET J45IAXBC 878 01
Time extension to 7 Feb 72

\$ 25,238.00

Mod 2

Incorporation of advance agreement covering computer
services.

\$ --

Mod 3

Clarification of P00002

\$ --

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

Nov 71

Total

\$ 183,381.00

PAID

183,020.64

Contract CLOSED:

29 Mar 74

CLOSED

Refund:

\$ 360.36

No	Contractor	Status	Contract Type & Authority
	(15 Jun 70 - 15 Sep 71)	(pre-contract fm N/A)	

SUBJECT: Prepare an Encyclopedia on High Altitude Nuclear Weapons Effects 74,901.00
RAAE 70 NWER HC 06404

Capt Thomas H. Johnson, RAAE

Mod 1 Reduce performance period and change reporting requirements. \$ --
 Completion date: 31 Jul 71.

Mod 2 Incorporation of OH rates for 1970 \$ --
 Updating OH clause.

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

*Sup 74
Jul 80*

Brought Forward	\$	74,901.00
<i>Total</i>	\$	74,807.26

Performance Completed: *Jul 71*

Contract CLOSED:

Refund: \$ 83.74

20 Jul 73

0161 - 0164

No	Contractor	Status	Contract Type & Authority
	(30 Jun 70 - 30 Sep 71)	(pre-contract in N/A)	

SUBJECT: Fireball Studies
 RAAE ARPA No. 1433, Amend #1, Program Code No. OE50

\$ 50,000.00

Lt. Rice. RAAE

Mod 1 Time extension to 21 Dec 71.

\$ --

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Sent to FRCEN: Aug 74
 Destroyed Jul 79

Brought Forward

\$

Performance Completed:

21 Dec 71

Total \$ 50,000.00

PAID: 50,000.00

Contract CLOSED:

Refund: \$ - 0 -

14 Aug 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(12 Jun 70 - 31 Aug 71)	(pre-contract fm 1 Jun 70)	
		\$5,000	

SUBJECT: Kinetics of Atomic Fe and Al Oxidation by O₂ \$ 54,995.00
RAAE ~~in~~
ARPA No. 1433, Amend #1, Program Code No. 0250
Dr. C. A. Blank, RAAE

Mod 1 Continuation of work \$72,558.00
ARPA 1433, Amend # 2
Time extension. 31 Jul 72

Mod 2 Time extension to 9 Oct 72. \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$ 127,553.00

Total \$ 126,966.67

Performance Completed: 9 Oct 72

Contract CLOSED:

Refund: \$ 586.33

19 Jul 73

No	Contractor	Status	Contract Type & Authority
	(1 Jun 70 - 30 Apr 71)	(pre-contract fm N/A)	

SUBJECT: A Study of the Feasibility of Infrared Emission Experiments \$ 37,434.00
 RAAE utilizing The Dewey Laboratory Facility.
 (ARPA No. 1433, Amend 1, Program Code OE50)

03

Dr. Charles Blank, RAAE

Mod 1 Time extension to 31 Dec 71.

\$

Mod 2 Cost Growth
 00639-70

\$ 2,420.00

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Total \$ 39,854.00
 PAID: 38,348.22

Refund: \$1,505.78

Finance Completed: 80 Oct 71

Contract CLOSED: 17 OCT 80

NOV 10 1981

Dec 87

70-C-0154 Stanford Research Institute CPTF (a)(11)
 No Contractor Status Contract Type
 (22 Jun 70 - 21 Jun 71) (pre-contract fm N/A) & Authority

SUBJECT: Readiness Programming for Future Test Events. \$ 99,988.00
 STRA 70 NWET K43AAAXCX907 04

Capt Stuart E. Garbutt, STRA

Mod 1 Interrelationships among NWET, NWER, NWED & Readiness \$ 149,527.00
 71 NWET K43AAAXYX907 04
 Time extension to 21 Jun 72

Mod 2 Interrelationships among nuclear weapons effects research, \$ 179,904.00
 nuclear weapons effects development, NWET and Readiness
 72 NWET K43AAAXYX907 04
 Time extension to 21 Jun 73

Mod 3 Additional task. \$ --

Mod 4 Time extension to 31 Jan 74 \$ --

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to EROEN: FEB 1977

To be Destroyed 0282

Brought Forward \$

Performance Completed: Jan 74 Total \$ 429,419.00
 PAID 429,419.00

Contract CLOSED: CLOSED, 3 Sep 75 Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(10 Jun 70 - 9 Jul 71)	(pre-contract fm 1 Jun 70) \$2,500	

SUBJECT: Study of Radiative Behavior of Metal Oxides in Laser Blowoff \$54,997.00
 RAAE ARPA Order No. 1433, Emend #1, Program Code OE50

Dr. C. A. Blank, RAAE

Mod 1 Time extension to 6 Jan 72. \$ ---

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

*ormance Completed: 6 Jan 72

Total \$ 54,997.00
 PAID: 54,081.16

Contract CLOSED: 23 MARCH 77

Refund: \$ 915.84

Sent to ERSEN: Dec 77
 To be Destroyed Oct 83

No	Contractor	Status	CPFF (a)(11) Contract Type & Authority
	(12 Jun 70 - 30 Jun 71)	(pre-contract fm N/A)	

SUBJECT: Investiage IEMP Effects
RAEV NWET 70 J29JAXBX771 01

\$223,220.00

Lt G. M. Henry. RAEV

Mod 1 ~~XXXXXX~~ Include third task in field test exposure.
Time extension: 31 Aug 71
71 NWET J29JAXBX771 01

\$ 48,618.00

Mod 2 Defray costs incurred by a further slip of schedule.
71 NWET J29JAXBX 771 01
Time extension to 30 Nov 71

\$ 34,751.00

Mod 3 Additional costs for analysis of simulator data
72 NWET J29JAXBX771 01
Time extension to 14 Apr72

\$ 51,980.00

Mod 4 Additional funds to cover slippage.
72 NWET J29JAXBX 771 01
Time extension to 24 Jun 72

\$ 27,948.00

Mod 5 Time extension to 30 Jun 73.

\$ ---

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to ERGEN: SEP 1975
To be destroyed Jul 1981

Brought Forward

\$

- formance Completed: 30 Jun 73

Total \$ 386,517.00
PAID 386,517.00

Contract CLOSED:

CLOSED 11 Apr 75

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(5 Jun 70 - 4 Mar 72)	(pre-contract fm N/A)	
SUBJECT: Conduct Flight and Ground Tests to Establish Accuracy of .SPAS Delayed Kill Prediction Technology (K) 70- NWER AB 231 15			\$ 392,614.00
Maj D. R. Shover, SPAS			

Mod 1

\$

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

\$

Mod 6

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Mod 7

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Mod 8

Sent to RCEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed:

Aug 1972

Total

\$ 392,614.00

PAID

392,614.00

Contract CLOSED:

CLOSED 15 Oct 74

Refund:

\$ -0-

No	Contractor	Status	Contract Type & Authority
	(15 Jun 70 - 30 Nov 71)	(pre-contract fm N/A)	

SUBJECT: Damaged Vehicle Program
SPAS 70 NWER AB 231 14

\$ 384,944.00

Maj Shover, SPAS

Mod 1 Incremental funding
71 NWER AB 231 14

\$1,500,000.00

Mod 2 Modification of the 2nd flight test experiment.
NWER AB 231 14
Increase amount of contract - but limited to
incremental funding \$1,884,944)

\$ --

Mod 3 Add incremental funding
72 NWED ~~AXABX821~~ AB 231 24
Timex

\$ 226,219.00

Mod 4 Add incremental funding
70 NWER AB 231 14
Time extension to 28 Feb 72.

\$ 10,860.00

Mod 5 Additional funds for OH adjustments
72 NWED AB 231 14

\$48,434.00

Mod 6 Time extension to 31 Oct 72.

\$ --

Mod 7

\$

Mod 8

Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed: 31 Oct 72

Total \$ 2,170,457.00
PAID 2,165,487.90

Contract CLOSED:

CLOSED. 30 Jun 75

Refund: \$ 4,969.10

No	Contractor	Status	Contract Type & Authority
	(23 Jun 70 - 22 Dec 70)	(pre-contract fm 1 Jun 70)	

\$4,000

(Fixed-Price use Charge \$3,376)

SUBJECT: Airborne Sampling and Analysis of Particulates from a
SPAS Detonation Test in the Vicinity of Calgary, Alberta, Canada.
70 NWET L35BAXBX878 02

\$ 47,337.00

Mr. Morton J. Rubenstein, SPAS

Mod 1	Additional DIAL PACK measurements	\$ 16,686.00
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Mod 2	Time extension to 12 Feb 71.	\$ ---
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward

Total \$ 64,023.00

PAID: 63,908.00

Refund: \$ 115.00

Performance Completed:

Contract CLOSED:

22 Mar 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(15 Jun 70- 30 Sep 71)	(pre-contract in N/A)	

SUBJECT: Data Reduction and Spectrographic Instrumentation Study, \$150,289.00
 TCDR-02 70 NWET K43AAXH X804 04

Mr. William S. Isengard, TC

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FREEM: FEB 1977

To be Destroyed Oct 72

Brought Forward \$

Performance Completed: Sep 71

Total \$ 150,289.00
 PAID 147,588.04

Contract CLOSED: **CLOSED**, 23 Oct 75

Refund: \$ 2,700.96

No	Contractor	Status	Contract Type & Authority
	(16 Jun 70 - 31 Mar 71)	(pre-contract fm 1 Jun 70) \$10,000	

SUBJECT: Research on the Propagation of Low Impedance Beams
RAEV 70 NWER LA 013 12

\$ 40,000.00

LTC Robert P. Sullivan, RAEV

Mod 1 Add the incremental funding.
Time extension to 30 May 71.

(013.12)

\$ 49,980.00 -

Mod 2 Time extension to 2 Sep 74

\$ ---

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to PROCE: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

Performance Completed:

2 Sep 74

Total \$ 89,980.00

PAID 89,980.00

Contract CLOSED:

CLOSED 13 Feb 76

Refund: \$ -0-

70-C-0162 Lockheed Missiles & Space Co.

No Contractor Status
(22 Jun 70 - 22 Feb 71) (pre-contract in N/A)

CPFF (a)
Contract Ty
& Authority

SUBJECT: Test Planning Studies
STRA 70 NWET K43AAXYX907 03

\$ 49,800.0

Capt Stuart E. Garbutt, STRA

Mod 1 Continuation of work
71 NWET K43AAXYX907 03
Time extension to 22 May 72

\$ 49,996.0

Mod 2 Time extension to 31 Oct 72.

\$ 0-

Mod 3 Funds for OH adjustments
70 K43AAXYX90703

\$ 1,396.00

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

Oct 72

Total

\$101,192.0

PAID

100,487.1

Contract CLOSED:

Refund:

\$ 704.8

CLOSED

13 Feb 74

No	Contractor	Status	Contract Type & Authority
	(5 Jun 70 - 28 Feb 71)	(pre-contract fm 5 Jun 70)	
		\$2,203.00	

SUBJECT: Debris Detection and Monitoring
SPAS 70 NWET L35BAXRX878 05

\$ 5,000.00

Mr. Morton J. Rubenstein, SPAS

Mod 1
Reduce DIAL PACK Data.
Time extension to 21 Mar 71

\$ 6,446.00

Mod 2
Additional cost to cover unexpected time spent at test site.
70 NWET L35BAXRX878 05

\$ 1,721.00

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

\$

Mod 8

Sent to FRCEN: Aug 74
To be Destroyed Feb 79

\$

Brought Forward

\$

Performance Completed:

Total \$13,167.00

PAID: 13,167.00

Contract CLOSED:

Refund: \$ - 0 -

7 Mar 73

CLOSED

No	Contractor	Status	Contract Type & Authority
	(29 Jun 70 - 30 Jun 71)	(pre-contract fm N/A)	

SUBJECT: Systems Analysis and Design of a Nuclear Weapons Systems (U) \$ 369,172.00

Mod 1 Identify specific reporting requirements (O&N Money) \$ 4,022.00
Time extension to 9 Jul 71

Mod 2 Cost growth \$ 6,530.00
72

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed:

30 June 71

Total PAID \$ 379,724.00
378,621.15

Contract CLOSED:

Refund: \$ 1,102.85

CLOSED

2 Nov 73

0001 - 0025

No	Contractor	Status	Contract Type & Authority
	(1 Jul 70 - 1 Feb 71)	(pre-contract fm N/A)	

SUBJECT: Optical Tracking Measurements for Operation DIAL PACK.

\$13,640.00

Mr. Morton Rubenstein, SPAS

Mod 1 Data Reduction, DIAL PACK.

\$ 5,909.00

Mod 2

\$

Mod 3

\$

Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Sent to FRCEN: Aug 74

To be Destroyed Jul 79

Brought Forward

\$

\$

mance Completed:

Jan 71

Total

\$ 19,549.00

PAID:

19,549.00

Contract CLOSED:

Refund:

\$ - 0 -

30 Aug 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(20 Jul 70 - 19 Jul 71)	(pre-contract in N/A)	

SUBJECT: Development of a Large Scale Cratering-Simulation Technique. \$ 186,920.00

338.01

Maj Roy A. Frusti, SP8S

Mod 1	Revision Radixation of work. 71 NWET L17AAXSX338 01	\$ 24,957.00
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Mod 2	Additional work under present scope of work. Time extension: 19 Aug 71	\$ 69,384.00
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338.01

Mod 3	Additional tasks 71 NWET L17AAXSX338 01 Time extension to 30 Nov 71	\$ 98,480.00
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Mod 4	Additional funds to cover OH adjustment. NWET L17AAXSX338 01 Time extension to 15 June 72.	\$ 9,545.00
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Mod 5	Time extension to 25 Feb 74	\$ --
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Mod 6		\$
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Mod 7		\$
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Mod 8	Sent to FRCEN. SEP 1975 To be Destroyed Jul 1981	\$
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Brought Forward \$

Finance Completed: 25 Feb 74

Total PAID	\$ 389,286.00 387,403.79
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Contract CLOSED:

Refund: \$ 1,882.21

CLOSED 15 Oct 74

No	Contractor	Status	Contract Type & Authority
	(1 Aug 70 - 10 May 71)	(pre-contract in N/A)	

IR 713070
 SUBJECT: Passive Diagnostics Support for DIAGONAL LINE Event.

\$80,500.00

786.02

Maj Joseph Pfeiffer, TCDASA

Mod 1	Delay funding of DIAGONAL LINE Readiness Date 72 NWET J29JAXBX786 02 Time extension to 1 Mar 72.	\$17,141.00
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Mod 2	Additional funds for extension of effort due to delay 72 NWET J29JAXBX786 02 Time extension 1 May 72.	\$ 9,201.00
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FROEN SEP 1975
 To be Destroyed Jul 1981

Brought Forward	\$
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Performance Completed: 25 May 1972

Total PAID	\$ 106,842.00
	106,756.62

Contract CLOSED:

CLOSED 10 Apr 75

Refund:	\$ 75.38
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No	Contractor	Status	Contract Type & Authority
	(1 Sep 70 - 31 Jan 71)	(pre-contract fm N/A)	

SUBJECT: Usage of Philco 212 Computer System.

\$33,000.00

STVL 71 NWER DD 001 03

(not to exceed)

(computer simulations of the AUTOVON and AUTODIN networks in performance of Contract Mod. DASA01-70-C-0109-P001)

Lt Schramer, STVL

Mod 1

\$

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

Sent to FRCEN:
To be DestroyedAug 74
Jul 79

\$

Brought Forward

\$

Performance Completed:

31 Jan 71

Total \$ 33,000.00

PAID: 7,514.70

Contract CLOSED:

Refund: \$ 25,485.30

21 Apr 71

CLOSED

No	Contractor	Status	Contract Type & Authority
	(3 Aug 70 to 2 Jun 71)	(pre-contract in N/A)	

SUBJECT: Conduct a Study of the Characteristics of Missile Electronic Subsystems in a Nuclear Weapon Environment. \$49,025.00
 71NWER DD030.01 9C 3600

Maj Weary, ~~XXXX~~ SLLE

Mod 1 Continuation of work \$ 99,947.00
 71 NWER DD 030 02
 Time extension to 30 Nov 71

Mod 2 Continuation of work. \$ 147,112.00
 72 NWED DD 030 04
 Time extension to 30 Nov 72.

Mod 3 Time extension to 2 May 74 \$ --

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FREEM: FEB 1977
 To be Destroyed Oct 82

Brought Forward \$

Performance Completed:

Total \$ 296,084.00
 PAID 296,084.00

Contract CLOSED:

Refund: \$ -0-

CLOSED 2 May 74
 3 Sep 75

No	Contractor	Status	Contract Type & Authority
	(10 Sep 70 - 9 Dec 71)	(pre-contract in N/A)	

SUBJECT: Characterization of Structural Response for ABM Kill of Reentry \$ 216,531.00 Vehicles.
 SPAS 71 NWER AA 125 02
 (Extension of Contracts 68-C-0056 & 69-C-0128)

Mr. Morton Rubenstein, SPAS

Mod 1 Lethality Tests on Full-Scale and Small-Scale Models of \$ 79,168.00
 Reentry Vehicles
 71 NWER AA 125 02

Mod 2 Time extension to 31 Aug. 72 \$ --

Mod 3 Time extension to 12 Jun 73. \$ --

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FROEN: SEP 1975
 To be Destroyed Jul 1981

Brought Forward \$

Performance Completed: 15 Jun 73

Total \$ 295,699.00
 PAID 295,699.00

Contract CLOSED: **CLOSED** 20 Nov 74

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(10 Aug 70 - 9 Dec 71)	(pre-contract in)	

SUBJECT: Provide pressure data and cavity wall motion measurements for the DIAMOND MINE event. \$ 291,674.00
 TCDT-B
 71 NWET MILFAXZ L401 13 ~~and 14~~ \$6,800
 ARPA Order # 1401 1401-14-28 4,874
 Ensign Richard W. Wilson, TC

Mod 1 Additional field instrumentation on DIAMOND MINE \$ 19,460.00
 ARPA Order # 1713
 863M03FAZ171305

Mod 2 Time extension to 1 Feb 74 \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Finance Completed:

1 Feb 74

Total \$ 311,134.00

Paid: 311,134.00

Contract CLOSED:

13 Sep 77

Sent to EPCEN: Dec 77

Refund: \$ -0-

To be issued Oct 83

No

Contractor

Status

Contract Type

(1 Oct 70 - 30 Sep 71) (pre-contract fm 1 Aug 70)
\$20,000

& Authority

SUBJECT: Continued Study of Energy Coupling
STSP(SPSS) 71 NWER SA 001 11

\$ 228,300.00

Maj Frank J. Leech, SPSS

Mod 1 Time extension to 1 March 1972.

\$ —

Mod 2

\$

Mod 3

\$

Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed:

1 Mar 72

Total \$ 228,300.00

PAID 228,300.00

Contract CLOSED:

Refund: \$ -0-

CLOSED

15 Jan 74

No	Contractor	Status	Contract Type & Authority
	(17 Aug 70 - 30 Sep 71)	(pre-contract fm N/A)	

SUBJECT: Diagnostics for DIAGONAL LINE
TCDT-N (L1 NWET J29JAXBX782 03)

\$ 251,000.00

Maj Joseph C. Pfeiffer, TC

Mod 1	Additional fudding to cover delay in DIAGONAL LINE Readiness Date 72 NWET J29JAXBX782 03 Time extension to 30 Jun 72	\$ 49,370.00
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward

\$

Performance Completed: 3 July 1972

Total PAID	\$ 300,370.00 298,862.43
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Contract CLOSED:

Refund: \$ 1,507.57

CLOSED

1 Nov 73

No Contractor Status
(15 Oct 70 - 14 Oct 71) (pre-contract in N/A)

Contract Type
& Authority

SUBJECT: Calculation of Cratering and Surface Waves
STSP (SFS) 71 NWER SB 047 80

\$ 106,882.00

Maj Frank J. Leech, SPSS

Mod 1 Time extension to 31 Jan 72.

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

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Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

3 Jan 72

Total \$ 106,882.00
PAID 106,701.53

Contract CLOSED:

Refund: \$ 180.47

CLOSED

16 Nov 73

No	Contractor	Status	Contract Type & Authority
	(8 Sep 70 - 7 Apr 71)	(pre-contract in N/A)	

SUBJECT: Advanced Heatshield Composites Analysis
SPAS 71 NWER AC 302 09 AJ

\$ 290,626.00

Maj Robert Jackson

Mod 1 PHASE II
71 NWER AC 302 12 09
Time extension to 15 Feb 72

\$ 45,000.00

Mod 2 Incremental funding added
Fy 72 NWED AC 302 15

\$ 249,900.00

Mod 3 PHASE III
72 NWED AC 303 06
Time extension to 15 Sep 72.

\$ 218,588.00

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

\$

Mod 8

\$

Sent to ERGEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

\$

Performance Completed:

Nov 72

Total \$ 804,114.00

PAID 799,448.55

Contract CLOSED:

CLOSED

23 Nov 76

Refund: \$ 4,665.45

No	Contractor	Status	Contract Type & Authority
	(1 Oct 70 - 30 Apr 71)	(pre-contract in N/A)	

SUBJECT: Perform studies in the nuclear field
(Follow-on Cont-70-C-0039)

\$ 338,475.00

Dr. Northrop, DDST

Mod 1 Additional task
72 NWER DB 001 02
Time extension to 9 Jun 72.

\$ 21,200.00

Mod 2

\$

Mod 3

\$

Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Sent to FRCEN: FFR 1977

To be Destroyed Oct 82

Brought Forward \$

once Completed: 30 May 1971

Total	\$ 359,775.00
PAID	359,775.00

Contract CLOSED:

CLOSED 17 Sep 75

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(15 Sep 70 - 30 Sep 71)	(pre-contract in N/A)	

SUBJECT: Underwater Blast Injuries at Non-Lethal Ranges
STMD Navy MIPR - MA 014 02

\$ 15,000.00

Maj Hal F. Stolz, STMD

Mod 1	Pre-contract costs - Additional work - Navy MIPR N60921-1-00033 - 71 NWER MA 014 02 Time extension to 31 Dec 71	\$ 15,000.00
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Mod 2	Continuation of work. Navy MIPR N60921-2-0040 Time extension to 31 Dec 72.	\$ 15,000.00
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Mod 3	Influence of Gas Bubbles in Gastroenteric System on its Response to Underwater Blast NWED U99QAXM A014 03 (MIPR NOL)N60921-3-0029 Time extension 31 Dec 73.	\$ 25,000.00
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Mod 4	Time Extension to 31 Mar 74	\$ --
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8	Sent to FRCEN: 18 Jan 80 To be Destroyed Dec 86	\$
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Brought Forward	\$ 70,000.00
	\$ 69,495.11
Total	\$ 504.89

ance Completed: 31 Mar 74

Contract CLOSED: 26 DEC 79

CLOSED

Refund: \$

No	Contractor	Status	Contract Type & Authority
	(24 Sep 70 - 23 Nov 71)	(pre-contract in N/A)	

SUBJECT: Ground Motion measurements on Event DIAMOND MINE.

\$ 182,278.00

TCOT-B 71 NWET MIIFAXZL40115

ARPA 1843

1/Lt Gregory S. Firstenburg, TC

Mod 1 DIAMOND MINE Gas Seal Task

\$ 31,150.00

MO3FAXZL713 07

ARPA

MIIFAXZL438 03

Mod 2 Additional funds for OH adjustment 72 ARPA

\$ 1,009.00

Time extension to 13 Nov 72

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed: 13 Nov. 72

Total PAID \$ 214,417.00
212,351.66

Contract CLOSED 19 JAN 79

Refund: \$ 2,065.34

NOV 1979

Dec. 85

No	Contractor	Status	Contract Type & Authority
	(21 Oct 70 - 31 Dec 71)	(pre-contract in N/A)	

SUBJECT: Study of Ship Vulnerability to Large Waves Raised by Nuclear Explosions(U) \$50,000.00
 SPLN

71 NWED NA 003 11

CDR Richard M. Gowing, SPLN

Mod 1	Time extension to 29 Feb 72.	\$	--
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Mod 2		\$	
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Mod 3		\$	
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Mod 4		\$	
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Mod 5		\$	
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Mod 6		\$	
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Mod 7		\$	
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Mod 8		\$	
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*done 17 Sept 74
To be closed, ed
Jul 80*

Brought Forward

Performance Completed:

Jan 72

Total PAID	\$ 50,000.00
	<u>49,807.67</u>

Contract CLOSED:

Refund:	\$ 192.33
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CLOSED*26 Oct 73*

71-C-0016

McDonnell Douglas Astronautics Co.
McDonnell Douglas Corp.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
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(2 Oct 70 - 14 Jan 71) (pre-contract fm N/A)

SUBJECT: Blast Lethality Study
SPAS 71 NWER AB 260 06

\$ 12,464.00

Mr. Morton Rubenstein, SPAS

Mod 1 Time extension to 20 April 1971.

\$ --

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

\$

Performance Completed:

Total \$ 12,464.00

PAID: 12,125.06

Contract CLOSED: 1 JUN 78

Refund: \$ 338.94

71-C-0017 Terra Tek. Inc.

CPFF (a9(11))

No

Contractor

Status

Contract Type

(2 Nov 70 - 1 Mar 72) (pre-contract fm N/A)

& Authority

SUBJECT:
STSP(SPSS)Determine properties of geologic materials for under-
ground containment and free field ground motion calculations.
71 NWER SB 047 31

\$ 59,405.00

Mr. C. B. MCFarland, SPSS

Mod 1

\$ --

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

Sent to FROEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed:

Total \$ 59,405.00
PAID 59,259.00

Contract CLOSED:

Refund: \$ 146.00

CLOSED

Jul 72
1 Nov 74

No	Contractor	Status	Contract Type & Authority
	(20 Oct 70 - 31 Aug 71)	(pre-contract fm N/A)	

SUBJECT: Protective Barrier System for Munition Storage.
SPLN (71 NWED NA 006 04)

\$ 69,465.00

LTC William D. Nelson, SPLN

Mod 1 Installation of Prototype Protective Barrier System
 72 NWED NA 006 04
 Time extension to 30 Apr 72.

\$ 33,626.00

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Sent to ERGEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

\$

Performance Completed:

31 Jul 1972

Total	\$103,091.00
PAID	93,418.86

Contract CLOSED:

CLOSED, 28 May 76

Refund: \$ 9,672.14

No	Contractor	Status	Contract Type & Authority
	(11 Sep 70 - 10 Apr 71)	(pre-contract fm N/A)	

SUBJECT: Gather & evaluate available data and publish the results of these efforts in a form suitable for inclusion in DASA
SPLN 71 NWED NA 008 08
 EM-1

\$ 14,727.00

LTC William D. Nelson, SPLN

Mod 1 Time extension to 11 Aug 72.

\$ ---

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed: 11 Aug 72

Total	\$ 14,727.00
PAID	14,727.00

Contract CLOSED:

Refund: \$ -0-

8 Jul 74 **CLOSED**

No Contractor Status
(21 Sep 70 - 15 Mar 71) (pre-contract fm N/A)

Contract Type
& Authority

SUBJECT: LETHALITY: Blast and Thermal PHASE I
SPLN/ 71 NWED NA 004 03

\$ 20,028.00

Maj William J. Shepard, SPLN

Mod 1

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Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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Brought Forward

\$

Performance Completed: 8 Feb 71

Total \$20,028.00
PAID 20,028.00

Contract CLOSED:

Refund: \$ -0-

300

4 Oct 73

No	Contractor	Status	Contract Type & Authority
	(15 Oct 70 - 14 Dec 71)	(pre-contract fm 1 Oct 70)	\$500.00

SUBJECT: Development and Application of Radiation-Hydrodynamic Dodes(U) \$300,000.00
 RARP 71 NWER PA 014 09

Dr. Robert E. Price, RARP

Mod 1	Time extension to 31 May 73.	\$ --
Mod 2	Funds to cover OH adjustment 71 PA 014 09	\$ 932.00
Mod 3	Time extension to 31 Dec 73	\$ --
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Brought Forward

Performance Completed: Dec 73

Contract CLOSED:

CLOSED

Total \$ 300,932.00

PAID 300,932.00

Refund: \$ -0-

18 Jul 74

No	Contractor	Status	Contract Type & Authority
	(5 Nov 70 - 1 Mar 71)	(pre-contract in N/A)	

SUBJECT: Blast Lethality Assessment (U)
SPAS 71 NWER AB 260 07

\$ 17,463.00

Mr. Morton Rubenstein, SPAS

Mod 1 Time extension to 31 Dec 71.

\$ 51,808.00

Ballistic Missile Blast Lethality Assessment.

Mod 2 Time extension to 1 Aug 72.

\$ --

Mod 3 Incorporation of OM rates for 1971 and 1972 for early closure.

\$ --

Mod 4

\$

Mod 5

\$

Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed:

1 Aug 72

Total PAID \$ 69,271.00
68,730.79

Contract CLOSED:

Refund: \$ 540.21

CLOSED

21 Mar 74

No	Contractor	Status	CPEF (a)(11) Contract Type & Authority
	(7 Oct 70 - 6 Jan 72)	(pre-contract fm N/A)	

SUBJECT: Optical Data Reduction and Analysis Facility \$ 139,000.00
RAAE 71 NWER HE 043.12

LTC George R. Underhill, RAAE

Mod 1 Continuation of work. \$ 75,000.00
72 NWED HE 043 12
Time extension to 6 Nov 72

Mod 2 Time extension to 30 Sep 73. \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

C - 10 NOV 1982

D - Dec 88

Brought Forward

Performance Completed:

30 Sep 73

Total \$ 214,000.00
214,000.00

Contract CLOSED: 29 JUL 82

Refund: \$ --

No	Contractor	Status	Contract Type & Authority
	(1 Nov 70 - 30 Apr 71)	(pre-contract fm 15 Sep 70)	
		\$3,000.00	

SUBJECT: Evaluation of an Alternate Atmospheric Heave Model
 RAAE 71 NWER HC 064 06

\$ 23,352.00

LTC George R. Underhill, RAAE

Mod 1

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Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

Sent to FRCEN: Aug 74
 To be Destroyed Jul 79

\$

Brought Forward

\$

Performance Completed:

31 Jan 71

Total \$ 23,352.00

PAID: 23,346.33

Contract CLOSED:

Refund: \$ 5.67

30 Aug 72

CLOSED

No	Contractor	Status	Contract Type & Authority
	(15 Dec 70 - 15 Mar 72)	(pre-contract fm N/A)	

SUBJECT: Measurement of Cross Sections for Excitation & Ionization of
RAAE Multiply=Charged N and O Ions by Electron Impact . \$ 97,743.00
 (Follow on Cont.: DASA01-70-C-0031)
 71 NWER HD 028 09
 LTC Donald M. Rhea, RAAE

Mod 1 Time extension to 13 Oct 72. \$ --

Mod 2 Additional funds to cover OH adjustments \$ 1,316.00
 71 HD 028 09

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed:

13 Oct 72

Total \$ 99,059.00
 PAID 98,256.17

Contract CLOSED:

CLOSED

30 Jul 74

Refund: \$ 802.83

0028 - 0050

71-C-0026 General Research Corp.

No

Contractor

Status

CPFF (a)(11)

Contract Type
& Authority

(2 Nov 70 - 1 May 71) (pre-contract fm N/A)

SUBJECT: DIAL PACK Dust Cloud Analysis
SPAS 71 NWER AA 127 15

\$ 32,000.00

Mr. Morton Rubenstein, SPAS

Mod 1 Additional effort
71 NWER AA 127 15

\$ 4,879.00

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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SEP 74
 JUL 80
 EN: [unclear]
 [unclear]

Brought Forward

\$

Performance Completed:

Total \$36,879.00

PAID 36,676.55

Contract CLOSED:

Refund: \$ 202.45

CLOSED

10 NOV 73

No	Contractor	Status	Contract Type & Authority
	(12 Nov 70 - 31 Jul 71)	(pre-contract in N/A)	

SUBJECT: Develop an Operational Version of an Improved PAWN
RARP 71 NWER PB044 06

\$ 27,365.00

Cpt Christopher O. Schonwalder, RARP

Mod 1 Time extension to 31 Dec 71.

\$ --

Mod 2 Additional funds to cover OH adjustments
 NWER PB 044 06

\$ 1,932.82

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FREEM.

SEP 1975

To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed:

31 Dec 71

Total \$ 29,297.82

PAID 29,257.56

Contract CLOSED:

Refund: \$ 40.26

CLOSED 16 Oct 74

No	Contractor	Status	Contract Type & Authority
	(12 Nov 70 - 30 Nov 71)	(pre-contract fm N/A)	

SUBJECT: Development of a Computer Program to Generate Automatically
 RARP Importance Functions for SAM-C Gamma Ray Problems. \$ 94,570.00
 71 NWER PB 044 05

Cpt Christopher O. Schonwalder, RARP

Mod 1 Time extension to 30 Jun 72. \$ --

Mod 2 Additional funds to cover OH adjustments \$ 10,643.16
 NWER PB 044 05

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: SEP 1975
 To be Destroyed Jul 1981

Brought Forward \$

Performance Completed:

June 1972

Total \$105,213.16
 PAID 105,213.16

Contract CLOSED:

CLOSED 16 Oct 74

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(5 Nov 70- 4 Sep 71)	(pre-contract in N/A)	

SUBJECT: The Effect of Prestressing upon the Pulse Performance of Water \$ 53,996.00
 RAEV 71 NWER LA 013. 14

Maj Benjamin J. Pellegrini, RAEV

Mod 1	Time extension to 30 Jun 72.	\$ --
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward	\$
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ormance Completed: 30 Jun 72

Contract CLOSED: 6 DEC 78

NOV 1979

Dec 85

Total \$ 53,996.00

PAID: 53,996.00

Refund: \$ - 0 -

No	Contractor	Status	Contract Type & Authority
	(4 Nov 70 - 4 Nov 71)	(pre-contract fm N/A)	

SUBJECT: Development of a Method for Computing the Properties of a Ground-Reflected Blast Wave
SPLN 71 NWED NC 001 01
Mr. L. J. Belliveau, SPLN

Mod 1 Additional work - GRBANG Code
FY 1972 NWED - NC001-01
Time extension to 30 Oct 72. \$ 57,924.00

Mod 2 Time extension to 1 Apr 75 \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to PROEN: FEB 1977

To be Destroyed Oct 82

Brought Forward \$

Performance Completed:

Contract CLOSED:

Total \$ 107,924.00
PAID 107,924.00

Refund: \$ -0-

CLOSED

71-C-0031

The Boeing Co.

CPFF (a)(11)

No

Contractor

Status

Contract Type
& Authority

(1 Nov 70 - 30 Sep 71) (pre-contract fm N/A)

SUBJECT: Damage Failure Mechanisms
 RAEV MIPR (HDL) R-71-8 \$38,284
 71 NWET J29JAXBX77503 \$10,366

\$ 48,650.00

Maj Stanley O. Kennedy, Sr., RAEV

Mod 1

Cost growth due to the slip in DIAGONAL LINE
 72 NWET J29JAXBX775 03
 Time extension to 31 Mar 72.

\$ 9,327.00

Mod 2

Time extension to 31 May 72.

\$ --

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

\$

Mod 8

Sent to FROEN: ^{SEP} 1975
 To be Destroyed *Jul 1981*

Brought Forward

\$

\$

Performance Completed: 31 May 72

Total \$ 57,977.00
 PAID 57,804.13

Contract CLOSED:

CLOSED

Refund: \$ 172.87

No	Contractor	Status	Contract Type & Authority
	(15 Nov 70 - 31 Jan 72)	(pre-contract in N/A)	

SUBJECT: Continuation of Development of a Laser Velocity Interferometer\$ 123,700.00
 SPAS for NTS USE (U)
 71 NWET J11AAXAX002 07

Capt Fred Celec, SPAS

Mod 1 Time extension to 1 Oct 72. \$ --

Mod 2 Time extension to 31 Jul 73. \$ 25,374.00
 Additional work - funds to cover costs because of slippage
 73J11AAXAX 002 17

Mod 3 Time extension to 11 Oct 73. \$ --

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to EPCEN: SEP 1975
 To be Destroyed Jul 1981

Brought Forward \$

Performance Completed:

11 Oct 73

Total \$ 149,074.00

149,074.00

Contract CLOSED:

CLOSED 16 Oct 74

Refund: \$ -0-

71-C-0033

Science Applications, Inc.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(15 Feb 71 - 14 Feb 72)	(pre-contract fm N/A)	

SUBJECT: Determination of Radiation Responses Resulting from Anisotropic Sources 92,451.00
RARP
 71 NWER PB 050 02

Cpt Christopher O. Schonwalder, RARP

Mod 1	Time extension to 31 Jan 73	\$ --
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8	Sent to FROEN: SEP 1975 To be Destroyed Jul 1981	\$
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Brought Forward

\$

Finance Completed:

31 Jan 73

Total
PAID\$92,451.00
92,451.00

Contract CLOSED:

CLOSED

17 Mar 75

Refund:

\$ -0-

No	Contractor	Status	Contract Type & Authority
	(9 Nov 70 - 8 Feb 71)	(pre-contract in N/A)	
SUBJECT: Handbook of Properties and Characteristics of a Special Material. SPAS			\$ 24,949.00
71 NWER AB 231 23			
Maj Robert Jackson, SPAS			
Mod 1	Time extension to 31 Jan 72.		\$ ---
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to FRCEN: SEP 1975 To be Destroyed Jul 1981		\$
Brought Forward			\$
Performance Completed: Jan 72			Total \$24,949.00
Contract CLOSED: CLOSED 4 Feb 75			PAID 23,928.94
			Refund: \$ 1,020.06

No	Contractor	Status	Contract Type & Authority
	(1 Dec 70 - 28 Feb 72)	(pre-contract fm N/A)	

SUBJECT: Calculate Gamma Ray Heating in the SABRE Gyroscope (U) \$ 45,779.00
 RAEV 71 NWER LA 013 15

Maj Benjamin J. Pellegrini, RAEV

Mod 1 Time extension to 1 Mar 73 \$ 565.00
 Cost Growth
 FY74 NWER LA01315

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRGEN: SEP 1975
 To be Destroyed Jul 1981

Brought Forward \$

Performance Completed:

Total \$ 46,344.00
 PAID 46,344.00

Contract CLOSED:

CLOSED

Refund: \$ -0-

July 73

5 Jan 75

No	Contractor	Status	Contract Type & Authority
	(2 Nov 70 - 30 Nov 71)	(pre-contract fm)	

SUBJECT: Operation of the DASA ARES Facility. \$ 45,000.00
 RAEV L37AAXYX970 04 07 (funds to be obligated on
 (ARES= Advanced Research Electromagnetic Simulator) individual orders)

Cpt Andrew E. Andrews

Mod 1	Funds to respond to ARES Work requirements. 71 NWET L37AAXYX970 07	\$ 51,927.00
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Mod 2	Additional ARES support.	\$ 89,084.00
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Mod 3	To cover costs incurred as a result of MINUTEMAN use of the ARES Facility. Time extension to 31 Oct 72 71 NWET L37AAXYX970 07 MIPR SAMSO FY 7616-71-00039	\$ 405,651.00
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Mod 4	Insert new rates and allow for partial payments.	\$
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Mod 5	Amend scope fm of work.	\$ --
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Mod 6	Additional work SAMSO MIPR FY76167200030 = \$79,418 72 NWET L37CAXYX 970 04 = \$80,000 Time extension to 30 Nov 72	\$ 159,418.00
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Mod 7	Additional work 73 L37CAXYX970 09 Time extension 11 May 1973	\$ 200,000.00
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Mod 8		\$
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Brought Forward \$

Performance Completed: 30 June 73	Total	\$ 951,080.00
		897,693.78

Contract CLOSED: 8 FEB 77

Refund: \$ 49,883.13

Sent to RAEV Dec 77
 To be Debited Oct 82

No	Contractor	Status	Contract Type & Authority
	(10 Nov 70 - 10 Feb 72)	(pre-contract in N/A)	

SUBJECT: Application and continued development of the 1-D Vera Code for \$ 198,350.00
 RARP current problems of interest (U)
 71 NWER PA 014 13

Dr. Robert E. Price, RARP

Mod 1 Change in scope - \$ 25,000.00 (decrease)
 Decrease level of effort.

Mod 2 Time extension to 19 Dec 72. \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed: 19 Dec 72

Contract CLOSED:

Total \$ 173,350.00

PAID 173,350.00

Refund: \$ -0-

CLOSED

71-C-0038

IIT Research Institute

CPFF (a)(11)

Contractor

Status

Contract Type
& Authority

(4 Jan 71 - 3 Nov 71) (pre-contract in N/A)

SUBJECT:

STSP(SPSS)

Test/Analysis Correlations for High Explosive Tests of
Strategic Structures (U)
71NWER SC 061 07

\$ 44,062.00

Lt Kent L. Goering, SPSS

Mod 1

~~Additional task~~

\$ 24,599.00

72 NWED SC 061 12

Time extension to 3 June 1972

Mod 2

Time extension to 2 Dec 72.

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed:

2 Dec 72

Contract CLOSED:

10 Jul 74

CLOSED

Total

\$ 68,661.00

PAID

68,661.00

Refund:

\$ -0-

No	Contractor	Status	Contract Type & Authority
	(1 Feb 71 - 30 Nov 71)	(pre-contract fm N/A)	
SUBJECT: Investigate Dust Lofting Mechanisms STSP(SPSS) 71 NWER SA 001 15			\$ 47,182.00
Maj Frank J. Leech, SPSS			
Mod 1	Time extension to 7 Aug 72.		\$ ---
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to FRCEN: SEP 1975 To be Destroyed Jul 1981		\$
Brought Forward			\$
Performance Completed: 7 Aug 72			Total \$ 47,182.00
Contract CLOSED 31 Jan 75			PAID 46,727.16
			Refund: \$ 454.84

71-C-0041

Battelle, Memorial Institute

CPFF (a)(11)

No

Contractor

Status

Contract Type
& Authority

(4 Jan 71 - 3 Oct 71) (pre-contract in N/A)

SUBJECT: Development of a Passive Temperature Sensor
SPAS 71 NWET J11AAXA X002 09

\$ 35,230.00

Cpt F. S. ~~Star~~ Celec, SPAS

Mod 1

Time extension to 30 Apr 72.

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

Apr 72

CLOSED

Total
PAID\$ 35,230.00
35,230.00

Contract CLOSED:

Refund: \$

-0-

71-C-0042

TRW Systems Group

No	Contractor	Status	Contract Type & Authority
	(4 Jan 71 - 3 Nov 71)	(pre-contract in N/A)	

SUBJECT: Develop a Solution for Blast Wave Turbulent Boundary Layers \$ 27,792.00
 STSP(SPSS) 71 NWER SA001 14

Maj Frank J. Leech, SPSS

Mod 1	Time extension to 15 Feb 72.	\$	--
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Mod 2		\$	
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Mod 3		\$	
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Mod 4		\$	
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Mod 5		\$	
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Mod 6		\$	
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Mod 7		\$	
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Mod 8		\$	
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Sent to FRCEN: SEP 1975
 To be Destroyed Jul 1981

Brought Forward	\$
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Performance Completed: 15 Feb 72

Total PAID	\$X 27,792.00
	27,792.00

Contract CLOSED:

Refund:	\$ -0-
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CLOSED 31 Jan 75

71-C-0043

Systems, Science and Software

CPFF (a)(11)

N	Contractor	Status	Contract Type & Authority
	(28 Dec 70 - 28 Apr 72)	(pre-contract in N/A)	
SUBJECT: Investigate the Dust-Lofting Capabilities of the Air Blast STSP(SPSS) Wave from a near-surface nuclear explosion 71 NWER SA 001 13			\$ 73,600.00

Maj F. J. Leech, SPSS

3 May 72
 Mod 1 Time extension to 15 Nov 72.

Mod 2

Mod 3

Mod 4

Mod 5

Mod 6

Mod 7

Mod 8

Sent to FRCEN: SEP 1975
 To be Destroyed Jul 1981

Brought Forward

Performance Completed:

Nov 72

Total \$ 73,600.00
 PAID 73,600.00

Contract CLOSED:

CLOSED

16 Oct 74

Refund: \$ -0-

CPFF (a)(11)

SUBJECT: Generate Radiation Response Functions for two Missiles Systems \$ 113,475.00
GARP 71 NWER PE 072 04

Mod 1	Include combinatorial geometry in Morse	\$ 11,483.00
71	NWER PE 072 04	

Mod 2	Additional xxx funds to cover cost growth	\$ 24,949.00
	72 NWED PE 072 08	
	Time extension to 31 Aug 72.	

Mod 3 Time extension to 19 July 1974 \$ --

Mod 4

Mod 5

Mod 6

Mod 7

Mod 8 Sent to EROENL SEP 1975

Sent to FROEN: SEP 1975
To be Destroyed Jul 1981

Brought Forward	\$
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Performance Completed:

Total	\$149,907.00
PAID	149,907.00

Contract CLOSED:

Refund: \$ — 2 —

71-C-0045 Physics International Co.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(2 Dec 70 - 1 Feb 72)	(pre-contract in N/A)	

SUBJECT: Ultra High Beam Control & Diagnosis for Material Response
 SPAS Studies
 71 NWER AC 321 06

\$ 217,663.00

Cpt Cockayne, SPAS

Mod 1 Time extension to 15 Mar 73
 Additional Funds to cover Cost Growth
 FY71 NWER A AC321 06

\$ 7,833.00

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN: SEP 1975
 To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed:

Total \$ 225,496.00
 225,450.38

Contract CLOSED:

Refund: \$ 45.62

CLOSED

9 Jan 74

16 Oct 74

11-C-0046

AVCO - Everett Research Laboratory

CPFF (a)

Contractor	Status	Contract Type & Authority
(1 Jan 71 - 31 Mar 72)	(pre-contract in N/A)	

SUBJECT: Theoretical Nuclear Studies (U)
 RAAE 71 NWER HC 062 10

\$ 75,500.00

Capt Thomas H. Johnson, RAAE

Mod 1 Continuation of work
 72 NWED HC 062 17
 Time extension to 30 Jun 73,

\$74,565.00

Mod 2 Time extension to 31 Oct 74

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

\$

Performance Completed:

Oct 74

PAID: Dec 78

Total \$ 150,065.00

PAID: 149,151.65

Contract CLOSED: 19 DEC 77

PAID: Dec 84

Refund: \$ 913.35

71-C-0047

Lockheed Missiles & Space Co. (Palo Alto Res. Lab)

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(25 Jan 71 - 28 Feb 72)	(pre-contract fm N/A)	

SUBJECT: Investigation of trapped particles and magnetospheric phenomena \$ 49,988.00
RAAE 71 NWER HC 047 05

Dr. Charles A. Blank, RAAE

Mod 1	Time extension to 16 Jun 72.	\$	--
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Mod 2		\$	
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Mod 3		\$	
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Mod 4		\$	
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Mod 5		\$	
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Mod 6		\$	
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Mod 7		\$	
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Mod 8		\$	
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Brought Forward	\$	
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Performance Completed:

16 Jun 72

Contract CLOSED:

29 Oct 73

CLOSED

Total PAID	\$ 49,988.00
	<u>49,549.51</u>

Refund:	\$ 438.49
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71-C-0048

Institute of Electrical and Electronic Engineers

FP (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 Feb 71 - 31 Dec 71)	(pre-contract in N/A)	

SUBJECT: Sponsor 1971 IEEE Annual Conference on Nuclear and Space
 RAEV. Radiation Effects TE 06013

\$ 6,000.00

Capt David R. Carlson, RAEV

Mod 1

\$

Mod 2

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Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Brought Forward

\$

Performance Completed:

28 Feb 72

Total

\$ 6,000.00

Paid

6,000.00

Contract CLOSED:

20 Jul 72

Refund:

\$ -0-

No	Contractor	Status	Contract Type & Authority
	(1 Dec 70 - 31 Dec 71)	(pre-contract in N/A)	

SUBJECT: Research on Outstanding Problems Related to Nuclear Dust/Debris \$ 125,201.00
 SPAS 71 NWER AA 127 17

Capt Cockayne, SPAS

Mod 1 Additional research \$ 44,955.00
 71 NWER AA 127 17

Mod 2 Investigate nuclear dust cloud model uncertainties & their effects on system vulnerabilities \$ 23,912.00
 71 NWER AA 127 17

Mod 3 Participation in 1971 Test Observations (U) \$ 34,709.00
 71 NWER AA 127 32

Mod 4 Additional Dust Generation and Modeling Calculations. \$ 44,824.00
 NWED, Subtask A127, Work Unit 20

Mod 5 Time extension to 30 Nov. 72 \$ --

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed: Nov 72
 Contract CLOSED: 30 Jul 74

Total PAID \$ 273,601.00
 273,601.00

Refund: \$ -0-

71-C-0050

Martin Marietta Corp.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(15 Feb 71 - 15 Dec 71)	(pre-contract fm N/A)	

SUBJECT: Particle Impact, Ejecta Measurement Study
 SPAS 71 NWER AA 127 16

\$ 54,276.00

Wk 38 Dec 70
 Capt J. Cockayne, SPAS

10 74, 71
 Mod 1 Time extension to 29 Feb 72.

\$ --

Mod 2

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Mod 3

\$

Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

Sent to FRCEN: *Aug 74*
 To be Destroyed *Jul 79*

Brought Forward

\$

Performance Completed:

1 Feb 72

Total \$ 54,276.00

PAID: 53,330.00

Contract CLOSED:

19 Jan 73

Refund: \$ 946.00

CLOSED

0061 - 0075

71-C-0051

Stanford Research Institute

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(14 Jan 71 - 13 Apr 72)	(pre-contract in N/A)	

SUBJECT: Particle-Size Distribution of Dust Clouds Formed by Surface
STSP)SPSS)

\$ 72,175.00

71 NWER SA 001 16

Explosions.

Maj F. J. Leech, SPSS

Mod 1 Time extension to 31 Aug 72.

\$

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

\$

Mod 7

Sent to FRCEN:
To be Destroyed

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

Aug 72

Total
Paid\$ 72,175.00
72,175.00

Contract CLOSED:

23 Jul 73

Refund:

\$

-0-

71-C-0052 Physics International Co.

CPFF

Contractor **Status**
 (1 Jan 71- 31 Oct 71) (pre-contract fm 1 Nov 70)
 \$130,000

CPFF (a)(11)
Contract Type
& Authority

SUBJECT: Advanced photon Source Technology Program
RAEV 71 NWER LA 013 03

\$ 623,334.00

PH 2/2/72
 Maj Pellegrini, ~~SIS~~x RAEV

PH 4/1/72
Mod 1 Advanced Converter concepts for Flash X-Ray Generation
 72 NWER LA 013 20
 Time extension to 31 Mar 72.

\$ 335,003.00

PH 4/1/72
Mod 2 Time extension to 30 April 73.
 OH adjustments
 NWER LA 013 20

\$ 15,755.00

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN: SEP 1975
 To be Destroyed *Jul 1981*

\$

Brought Forward

\$

Performance Completed:

Feb 73

Total
PAID

\$ 974,092.00
 973,045.09

Contract CLOSED:

CLOSED*10 Apr 75*

Refund:

\$ 1,046.91

71-0053

EG&G, Inc. (Albuquerque, N.M.)

CPFF (a)(11)

Contractor

Status

Contract Type
& Authority(11 Jan 71 - 10 Jul 71) (pre-contract fm 14 Dec 70)
\$3,600

H.S. 28 Dec 70

SUBJECT: Provide data reduction programming & analysis services for
STSP DIAL PACK LAPQ-1 Radar Data
71 NWET L35BAXBX878 10

\$ 13,784.00

Mr. M. J. Rubenstein, EN STSP

Mod 1

\$

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

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Mod 8

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Brought Forward

\$

Performance Completed:

1 July 71

Contract CLOSED:

CLOSED

25 Mar 74

Total
PAID\$ 13,784.00
13,784.00

Refund:

\$ -0-

71-C-0054

Mission Research Corp.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 Jan 71 - 28 Feb 72)	(pre-contract fm 1 Nov 70) \$25,000	

SUBJECT: High Altitude Effects for Radar and Optical Modeling
RAAE 71 NWER HC 062 11

\$ 395,272.00

30 Dec
Capt Thomas H. Johnson. RAAE

Mod 1 KINGFISH and TEAK Fireball Phenomenology
71 NWER HC 062 11
Time extension to 31 Jul 72

\$ 99,778.00

Mod 2 Medium Altitude Calculations
MIPR - Redstone Arsenal, Alabama)

062,14

\$ 49,765.00

Mod 3 Extension of the highly successful series of Benchmark
calculations
72 NWED HC 062 16
Time extension to 31 Mar 73.

\$ 297,350.00

Mod 4 Time extension to 30 Jun 73

\$ --

Mod 5 Cost Growth
FY71 NWED AHC062 11

\$ 1,462.57

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

\$

Performance Completed:

Jun 73

Total

\$ 843,627.57

PAID

843,627.47

Contract CLOSED:

CLOSED

12 Dec 75

Refund:

\$

.10

71-C-0055

Kaman Sciences Corporation

CPFF (a)(11)

Contractor

Status

Contract Type
& Authority

(28 Dec 70 - 28 Jun 72) (pre-contract in N/A)

SUBJECT: MIMOSA BELLE - MISTY NORTH
SPAS 71 NWET J23WAXBX888 05

\$ 278,800.00

Capt Fred Celec, SPAS

Mod 1 Model Fabrication - MIMOSA BELLE - MISTY NORTH

\$ 380,690.00

Mod 2 Increased scope of work related to MIMOSA BELLE
NWET J32WAXBX888 05

\$ 115,924.00

Mod 3 Add D & E samples to Model 67 Program (788.05)
Time extension to 30 Nov 72.

\$ 100,288.00

Mod 4 Change appropriation in P00001 and)P00002

\$ --

Mod 5 Incorporation of advance agreement covering computer
services.

\$ --

Mod 6 Clarification of P00005.

\$ --

Mod 7 Additional tasks
J 73 J32WAXBX888 05
Time extension to 30 April 73

\$ 34,453.00

Mod 8 Time extension to 11 Feb. 74

\$ --

Brought Forward

\$

Performance Completed:

11 Feb 74

Total \$ 910,155.00

PAID: 908,434.04

Contract CLOSED:

21 JAN 77

Sent to FRCEN: Dec 77
To be Destroyed Oct 73

Refund: \$ 1,720.96

C-0056 Physics International Company

CPFF (a)(11)

Contractor

Status

Contract Type
& Authority

(1 Feb 71 - 30 May 72) (pre-contract fm N/A)

SUBJECT: Dynamic Response of Earth Media to Spherical Stress Waves. \$ 74,881.00
STSP(SPSS) 71 NWER SB 047 33

Mr. C. B. McFarland, SPSS

Mod 1 Time extension to 30 Jun 73. \$ --

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed:

Total \$ 74,881.00
PAID 74,628.17

Contract CLOSED:

CLOSED

Refund: \$ 252.83

25 Jul 74

71-C-0057 Lockheed Missiles & Space Co.

CPFF (A)(11)

Contractor

Status

Contract Type
& Authority(22 Feb 71-30 Jun 72) (pre-contract fm 30 Nov 70
\$500,000

SUBJECT: MISTY NORTH Program

\$ 2,000,000.00

TCOT-N 71 NWET J32WAXY X988 01

Maj Donald B. Hente, TC

Mod 1

Add incremental funding
72 J32WAXYX988. 01

\$ 980,080.00

Mod 2

Change scope of work.
72 NWET J32WAXYX988 01
Time extension to 30 Sep 72.

\$ 852,800.00

Mod 3

Additional tasks
72 NWET J32WAXYX988 01

\$ 165,281.00

Mod 4

Additional costs for extended fielding period for MISTY NORTH 249,384.00
72 NWET J32WAXYX988 01
Time extension to 30 Nov 72.

Mod 5

Manufacture & Delivery of replacement muffler and pipe
for use on MISTY NORTH
72 NWET J32WAXYX988 01

\$ 39,612.00

Mod 6

Additional tasks
72 NWET J32WAXYX988 01

\$ 61,195.00

Mod 7

Change of scope of work.
Time extension to 1 Jun 73.

\$ --

Mod 8

Time extension to 8 Jun 73.

\$ --

Sent to ERGEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

Performance Completed:

April 73

Total \$ 4,348,352.00
PAID 4,326,510.49

Contract CLOSED:

10 June 1976

Refund: \$ 21,841.51

71-C-0058

AVCO Systems Division

CPFF (a)(11)

Nc	Contractor	Status	Contract Type & Authority
	(10 Mar 71 - 10 Sep 71)	(pre-contract fm	N/A)

SUBJECT: Supply AVCO 3D Carbon/Carbon Cylinder Material
SPAS 71 NWER AC 302 13

\$ 74,566.00

Maj Robert E. Jackson, SPAS

Mod 1 Fabrication of 15 cylinders
72 NWED AC 302 19
Time extension to 10 Feb 72

\$ 223,438.00

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRGEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

\$

Performance Completed:

Sep 72

Total

\$ 298,004.00

PAID

298,004.00

Contract CLOSED:

CLOSED

24 Jul 75

Refund:

\$

-0-

71-C-0059 Kaman Sciences Corp.

CPFF (a)(11)

Contractor

Status

Contract Type
& Authority(4 Feb 71 - 3 Dec 71) (pre-contract fm 11 Jan 71
\$5,000SUBJECT: Advanced Heatshield Composite Vulnerability Analyses Program
SPAS 71 NWER AC 302 10

\$ 214,198.00

Maj Jackson, SPAS

Mod 1 Incorporation of advance agreement covering computer services. \$ --

Mod 2 Time extension to 3 May 1972
Clarification of Advance Agreement for computer services. \$ --

Mod 3 Time extension to 30 Nov 72. \$ --

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8

Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

Brought Forward \$

Performance Completed: Nov 72

Total PAID \$ 214,198.00
212,412.67

Contract CLOSED:

CLOSED

16 May 75

Refund: \$ 1,785.33

No	Contractor	Status	Contract Type & Authority
	(1 Feb 71 - 31 Aug 71)	(pre-contract fm N/A)	
SUBJECT: Weapon Sensitivity Studies			\$ 10,414.00
SPLN 71 NWED NA 006 05			
LTC William D. Nelson			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Brought Forward			\$
Performance Completed:	13 Sep 72		Total \$ 10,414.00
Contract CLOSED:	23 Jul 73		Paid <u>10,414.00</u>
			Refund: \$ -0-

71-C-0061

Stanford Research Institute

CPEE (A)(11)

No	Contractor	Status	Contract Type & Authority
	(18 Jan 70 - 17 Jan 72)	(pre-contract in N/A)	
SUBJECT: DIAGNOSTICS FOR YERBA (U)			\$ 213,071.00
SPAS 71 NWET J45IAXBF897 02			
Capt G. Philip Crotwell, SPAS			
Mod 1	Time extension to 31 Mar 73		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to ERGEN: SEP 1975 To be Destroyed Jul 1981		\$
Brought Forward			\$
Performance Completed: mar 73			Total \$ 213,071.00
Contract CLOSED: CLOSED 1 Nov 74			PAID 213,071.00
			Refund: \$ -0-

71-C-0062

Lockheed Missiles & Space Co. (Palo Alto Res. Lab)

CPFF (a)(11)

No.	Contractor	Status	Contract Type & Authority
	(1 Feb 71 - 29 Feb 72)	(pre-contract fm 17 Jan 71) \$50,000	

SUBJECT: Underground Proof Test Diagnostics YERBA (U)
SPAS 71 NWET J451AXB 897 01

\$ 973,300.00

Capt G. Philip Crotwell, SPAS

Mod 1 Additional costs to cover delay in event.
72 NWET J451AXB 897 01
Time extension to 30 Jun 72

\$ 96,233.00

Mod 2 Time extension to 11 Oct 73

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed: 11 Oct 73

Total \$ 1,069,533.00
PAID 1,069,533.00

Contract CLOSED: **CLOSED** 25 Mar 75

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(8 Feb 71 - 8 Dec 71)	(pre-contract fm N/A)	

SUBJECT: Study of Short-Term Annealing in Silicon Devices Following Pulsed 14-Mev Neutron Irradiation. \$ 71,282.00
RAEV 71 NWER TA 042.02

Maj S. O. Kennedy, Sr., RAEV

Mod 1 Neutron testing & time extension to 8 Feb 72 \$ 9,094.00
 FY 72 NWED - TA042-06

Mod 2 Time extension to 31 Dec 72 \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: FEB 1977

To be Destroyed 0082

Brought Forward \$

Performance Completed:

10 J 72

Total \$ 80,376.00
 PAID 79,145.96

Contract CLOSED:

3 Jun 76

Refund: \$ 1,230.04

No	Contractor	Status	Contract Type & Authority
	(10 Feb 71 - 31 May 71)	(pre-contract fm N/A)	

SUBJECT: Preparation and conduct of a
Civilian Supervisory Training Program
CVEE

\$ 5,100.00

Mod 1

\$

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

\$

Mod 6

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Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

Total \$ 5,100.00

PAID: 5,100.00

Contract CLOSED:

Refund: \$ - 0 -

CLOSED

71-C-0065

University of San Francisco

Cost (a)(5)

No	Contractor	Status	Contract Type & Authority
	(1 Apr 71- 30 Dec 71)	(pre-contract fa N/A)	

SUBJECT: Development of Nuclear Track Detectors for Neutron Measurements \$ 20,000.00
RARP: 71 NWET J11AAXPX244 02

DR 10/15/71
 Maj Joseph R. Cote, RARP

Mod 1 Time extension to 4 Oct 72. \$ ---

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed: 4 Oct 72

Contract CLOSED: 13 Sep 77

Sent to FREEM: Dec 77
 To be Destroyed Oct 83

Total \$ 20,000.00

Paid 20,000.00

Refund: \$ - 0 -

71-C-0066

Austin Research Associates, Inc.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 Feb 71 - 30 Apr 72)	(pre-contract in N/A)	
SUBJECT: A Theoretical Study of Plasma Turbulence in Weapons Effects RAAE Plasmas (U) 71 NWER HC 040 15 LTC Donald M. Rhea, RAAE			\$ 174,999.00
Mod 1	Continuation of research 72 NWED HC 040 15 Time extension to 30 Apr 73		\$ 174,015.00
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to FRCEN; SEP 1975 To be Destroyed Jul 1981		\$
Brought Forward			\$
Performance Completed: 10 May 73			Total \$ 349,014.00
Contract CLOSED: CLOSED 27 Dec 74			PAID 347,326.61
			Refund: \$ 1,687.39

71-C-0067

The Boeing Co.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 Apr 71 - 30 Nov 71)	(pre-contract in N/A)	

SUBJECT: Structure-Medium Interaction Phenomenology
 SPSS 71 NWER SC 061 08

\$ 38,686.00

SP
 11/25/71
 Lt Kent L. Goering, SPSS

Mod 1 Time extension to 30 May 72.

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to ERSEN: SEP 1975
 To be Destroyed *Jul 1981*

\$

Brought Forward

\$

Performance Completed: 30 May 72

Total \$ 38,686.00
 PAID 38,218.97

Contract CLOSED:

CLOSED

Refund: \$ 467.03

5 Jan 75

No	Contractor	Status	Contract Type & Authority
	(1 Jan 71 - 31 Mar 71)	(pre-contract fm 1 Dec 70) \$20,000	
SUBJECT: Measure Velocities Induced by a Chemical Explosion at the TCDT-B DIAMOND MINE Site 71 ARPA MO 3 FAXZL713 04 \$204.79 69 ARPA M 11 FAXZL 401 19 \$37,647.21 Maxxfixer Lt Wilson, TC			\$ 37,788.00
Mod 1	Additional funds to cover work. ARPA MO 3FAXZL 71304 Time extension to 30 Jun 71		\$ 1,665.00
Mod 2	Time extension to 30 Jun 72.		\$ ---
Mod 3	Cost Growth ARPA Order 1713/5		\$ 2,412.53
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Brought Forward			\$ 41,865.53
Total			\$ - 0 -
Refund:			\$
Performance Completed: June 1972 Contract CLOSED: 18 May 81 NOV 1 0 1981 Dec 84			

71-C-0069

IIT Research Institute

CPFF (a)(11)

No

Contractor

Status

Contract Type
& Authority

(15 Feb 71 - 15 Oct 71) (pre-contract in N/A)

SUBJECT: Air Blast in Subdivided Storage Igloos

\$ 39,510.00

SPLN/ 71 NWED NA 006 06

LTC William D. Nelson

Mod 1

Additional experiments

\$ 15,634.00

72 NWED NA 006 06

Time extension to 18 Dec 71.

Mod 2

Confirmation of code calculations for air blast in
subdivided igloos - Time extension to 18 Jul 72.

\$ 9,785.00

FY 72 NWED - NA006-07

Maj Wm. Shepard

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN:
To be Destroyed

\$

Brought Forward

\$

Performance Completed:

18 Jul 72

Total

\$ 64,929.00

PAID:

64,929.00

Contract CLOSED:

20 Jun 73

CLOSED

Refund:

\$ - 0 -

71-C-0070 Applied Theory, Inc.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 Mar 71 - 1 Jun 72)	(pre-contract fm22 Jan 71)	
		\$50,000	

SUBJECT: Calculations of Cratering, Ejecta and Dust Lofting
SPSS 71 NWER SA 001 17

\$ 268,419.00

Maj F. J. Leech, SPSS

Mod 1 Time extension to 24 June 1974

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward	\$ 268,419.00
	\$ 268,148.18

Total \$ 270.82

Performance Completed:

24 Jun 74

Contract CLOSED: 17 March 1981

NOV 10 1981
Dec 87

Refund: \$

71-C-0071 McDonnell Douglas Corp.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 Mar 71 - 30 Nov 71)	(pre-contract fm 8 feb 71) \$20,000	

SUBJECT: Lower Level Ethality Considerations.
SPSS 71 NWER AB 231 18

\$ 97,396.00

HS
Maj. Jackson, SPAS

Mod 1 Time extension to 15 Feb 72.

\$ --

Mod 2

\$

Mod 3

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Mod 4

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Mod 5

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Mod 6

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Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

Feb 72

Total

\$ 97,396.00

PAID:

\$ 96,370.73

Contract CLOSED: 8 MARCH 1978

Refund:

\$ 1,025.27

71-C-0072

Mt. Auburn Research Associates, Inc.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 Mar 71 - 31 May 72)	(pre-contract in N/A)	

SUBJECT: Development of an Analytical Model for Single and Multiple Cloud Rise
RARP 71 NWER PD 079 01

\$49,992.00

Maj Joseph R. Cote, RARP

Mod 1	Time extension to 15 Nov 72.	\$	--
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Mod 2		\$	
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Mod 3		\$	
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Mod 4		\$	
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Mod 5		\$	
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Mod 6		\$	
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Mod 7		\$	
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Mod 8		\$	
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Brought Forward	\$	
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Performance Completed:

15 Nov 72

Total \$ 49,992.00

PAID: 49,966.83

Contract CLOSED: 30 SEP 77

Sent to FREEM: Dec 77

Refund: \$ 25.17

To be Destroyed Oct 83

No	Contractor	Status	Contract Type & Authority
	(24 Feb 71 - 2 Nov 71)	(pre-contract in 2 Feb 71) \$6,000.	

SUBJECT: Continuation of technical studies of blast & thermal lethality \$ 41,048.00
 SPLN (U)1

71 NWED NB 007 07

Maj W. J. Shepard, SPLN

Mod 1	Time extension to 12 Apr 72.	\$ --
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Aug 74
Jul 80

Brought Forward	\$
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Performance Completed: 12 Apr 72

Contract CLOSED:

Oct 73
CLOSED

Total	\$ 41,048.00
PAID	<u>41,048.00</u>

Refund:	\$ -0-
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71-C-0074

Physics International Co.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(25 Feb 71 - 30 Sep 71)	(pre-contract in N/A)	

SUBJECT: Nuclear Geoplosics Revision
STSP(SPSS) 71 NWER SB 047 34

\$ 28,310.00

Maj Louis J. Circeo, SPSS

Mod 1 Time extension to 30 Sep 73
 Revision of Chapters of Vol IV of DASA 1288
 71 NWER SB 047 34 = \$1,725.00
 773 NWED Y99QAXSB 047 62 = \$17,946.00

\$19,671.00

Mod 2 Time extension to 30 April 1975.
 Cost Growth
 FY71 NWED ASB047 34

\$ 902.00

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FREED: FEB 1977

To be Destroyed 0282

Brought Forward

\$

Performance Completed: 24 Dec 75

Total	\$ 48,883.00
PAID	48,883.00

Contract CLOSED: 26 Aug 76

Refund: \$ -0-

71-C-0075

Stanford Research Institute

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(22 Feb 71 - 1 Feb 72)	(pre-contract in N/A)	

SUBJECT: Improved Characterization of Critical Pulse Loads for
SPLN Surface Ships and Submarines
71 NWED NA 007 23

\$ 50,468.00

CDR R. M. Gowing, SPLN

Mod 1 Time extension to 22 Sep 72.

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

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Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

\$

Performance Completed:

22 Sep 72

Total
Paid\$ 50,468.00
50,468.00

Contract CLOSED:

23 Jul 73

Refund:

\$ -0-

71-C-
0076 - 0100

Contractor**Status****Contract Type
& Authority**

(18 May 71 - 17 May 72) (pre-contract in N/A)

SUBJECT: Stress Gage Development for UGT
 SPAS (awarded under RFP DASA01-71-R-0001)
 71 NWET J11AAXAX002 10

\$ 97,024.00

Capt Fred Celec, SPAS

Mod 1

Time extension to 15 Jan 73.

\$ 2,000.00

Purchase of a Photomultiplier tube

Mod 2

Time extension to 30 Apr 73.

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward \$

Per. Completed:

3 May 73

Total \$ \$99,024.00

PAID: 97,822.32

Contract CLOSED: 28 APRIL 77

To be Destroyed 0543 Refund: \$ 1,201.68

Sent to FREEM: Dec 77

71-C-0077 Philco-Ford Corp, Aeronutronic Div.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(18 Mar 71 - 17 Sep 71)	(pre-contract fm N/A)	

SUBJECT: Carbon=Carbon Heat Shield Material Test
SPAS 71 NWER AC 302 12

\$ 130,000.00

Maj Robert E. Jackson, SPAS

Mod 1 Add incremental funding
72 NWED AC 302 18

\$49,400.00

Mod 2 Add incremental funding
72 NWED AC 303 04
Time extension to 29 Oct 71.

\$ 29,649.00

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRGEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed: 3 Jun 72

Total \$ 209,049.00
PAID 207,493.00

tract CLOSED:

CLOSED

18 Oct 74

Refund: \$ 1,556.00

71-C-0078

Science Applications, Inc.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(8 Mar 71 - 7 Dec 71)	(pre-contract fm N/A)	

SUBJECT: Survey and Evaluation of Neutron-Gamma Instrumentation employed \$ 44,923.00
 RARP in the Nuclear Test Program(U)
 71 NWET J11AAXPX235 01

Maj Joseph R. Cote, RARP

Mod 1 Time extension to 2 Aug 72. \$ --

Mod 2 Cost growth \$ 328.00
 71 J11AAXPX23501

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Total PAID \$ 45,251.00
 45,251.00

ormance Completed: 2 Aug 72

act CLOSED:

CLOSED 19 Jul 74

Refund: \$ -0-

71-C-0079

Terra Tek, Inc.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 Mar 71 - 31 Dec 71)	(pre-contract fm N/A)	
SUBJECT: To Determine Properties of Geological Material for the Field SPTE Ground Motion Calculations for 2 Underground Tests 71 NWET J45GAXYX973 02 Dr. Benjamin Grote, TC			\$ 30,043.00
Mod 1	Time extension to 30 Apr 72.		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to FROEN: Aug 74 To be Destroyed Jul 79		\$
Brought Forward			\$
Performance Completed: 30 Jun 72			Total \$ 30,043.00
Contract CLOSED: 30 Nov 72			PAID: 29,961.00
			Refund: \$ 82.00

CLOSED

No	Contractor	Status	Contract Type & Authority
	(1 Mar 71 - 31 Oct 71)	(pre-contract fm N/A)	
SUBJECT: To Determine Dynamic Properties of Geologic Materials for SPTE/T.C. Ground Motion calculations for 2 Underground Tests 71 NWET J45GAXYX973 03 Dr. Benjamin Grote, TC			\$ 23,878.00
Mod 1	Time extension to 25 Aug 72.		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to GREEN: To be Destroyed	Aug 74 Jul 80	\$
Brought Forward			\$
Performance Completed: 25 Aug 72			Total \$ 23,878.00 PAID 23,878.00
Contract CLOSED: CLOSED 17 Jul 74			Refund: \$ -0-

71-C-0081

Stanford Research Institute

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 Mar 71 - 31 Oct 71)	(pre-contract in N/A)	

SUBJECT: Measurement of dynamic rock properties at the Nevada Test Site. \$ 46,348.00
 SPTE, T.C. 71 NWET J45GAXYX973 04

Dr. Benjamin Grote, TC

Mod 1	Time extension to 30 Mar 72.	\$ --
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FREEM.
To be Destroyed

Aug 74
Jul 79

Brought Forward	\$
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Performance Completed: 30 Mar 72	Total	\$ 46,348.00
Contract CLOSED:	Paid	46,348.00
	Refund:	\$ -0-

16 Jul 78

71-C-0082

URS Research Co.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(19 Mar 71 - 31 Jan 72)	(pre-contract fa N/A)	
<i>W.K. 11/2/71</i>	SUBJECT: Derivation of an Analytical Method for Scaling Air-Burst SPLN Fireball Size with Time 71 NWED NA 008 09 Mr. Louis J. Belliveau, SPLN		\$ 17,497.00
<i>W.K. 11/2/71</i>	Mod 1	Additional data to be incorporated 71 NWED NA 008 09 Time extension to 15 Mar 72	\$ 5,006.00
	Mod 2	Additional data to be incorporated 72 NWED NA 008 09 Time extension to 15 May 72.	\$10,017.00
<i>W.K. 11/2/71</i>	Mod 3	Time extension to 3 Nov 72.	\$ --
	Mod 4		\$
	Mod 5		\$
	Mod 6		\$
	Mod 7		\$
	Mod 8	<i>See 11/2/71</i> <i>Time extension</i> <i>Sep 74</i> <i>Jul 80</i>	\$
		Brought Forward	\$
	Performance Completed: 3 Nov 72	CLOSED	Total \$32,520.00
	Contract CLOSED: 3 Jul 74		PAID 32,429.59
			Refund: \$ 90.41

71-C-0083

General Electric Co. (TEMPO)

CPFF (a)(11)

N	Contractor	Status	Contract Type & Authority
	(5 Mar 71 - 4 Jun 72)	(pre-contract fm 18Feb71)	

SUBJECT: Continuation of Maintenance of the RANC IV Code and for related \$ 294,001.00

RAAE Analyses

71 NWER HC 064 08

Dr. H. C. Fitz, Jr., RAAE

Mod 1	Time extension to 30 Jun 73	\$	--
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Mod 2		\$	
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Mod 3		\$	
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Mod 4		\$	
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Mod 5		\$	
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Mod 6		\$	
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Mod 7		\$	
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Mod 8		\$	
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Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

Brought Forward	\$
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Performance Completed: 31 Jun 73	Total PAID	\$ 294,001.00
		<u>294,001.00</u>

Contract CLOSED:

CLOSED 20 Aug 74

Refund:	\$	-0-
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71-C-9084

Systems, Science and Software

CPFF (a)(11)

N	Contractor	Status	Contract Type & Authority
	(19 Mar 71 - 19 Jul 72) (pre-contract in N/A)		
	SUBJECT: Perform Dynamic Geologic Material Properties Measurements SPSS in Support of the Middle Gust Tests (U) 71 NWER SB 047 36 Mr. C. B. McFarland, SPSS		\$ 79,691.00
Mod 1	Time extension to 31 Mar 75		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FREIN. FEB 1977			\$
(To be Destroyed Oct 82)		Brought Forward	\$
Performance Completed: Mar 75		Total	\$ 79,691.00
Contract CLOSED: CLOSED 2 Oct 75		PAID	<u>79,691.00</u>
		Refund:	\$ -0-

71-C-0085

LMSC

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(19 Apr 71 - 18 Jul 72)	(pre-contract fm N/A)	

SUBJECT: Nuclear Test Operations

\$ 89,962.00

NWET, Subtask K43 GAX YX 907, Work Unit 01

Dr. Blank, RAAE

Mod 1 Time extension to 22 Nov 74

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$ 89,962.00

Performance Completed:

Total \$ 89,592.52

Contract CLOSED: 31MAY77

Refund: \$ 369.48

22 Nov 74
Sent to ERGEN: Dec 77
To be Destroyed Oct 82

71-2-0086

GULF ENERGY & ENVIRONMENTAL SYSTEMS, INC.

FACILITIES

N	Contractor	Status	Contract Type & Authority
	(1 Mar 71 - 1 Mar 74)	(pre-contract fm)	

SUBJECT: FACILITIES CONTRACT.

\$ --

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$ - 0 -

Performance Completed:

Contract CLOSED:

13 Nov 73

Total \$ - 0 -

Refund: \$ - 0 -

CLOSED

No	Contractor	Status	Contract Type & Authority
	(20 Apr 71 - 28 Feb 72)	(pre-contract in N/A;)	
SUBJECT: EMP Hardness Testing and ARES Users Manual, Part One RAEV 71 NWED EC 091 03			\$ 35,102.00
Capt Andrew E. Andrews, RAEV			
Mod 1	Time extension to	30 Oct 74	\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to ERGEN: SEP 1975 To be Destroyed Jul 1981		\$
Brought Forward			\$
Performance Completed:			Total \$ 35,102.00
Contract CLOSED:			PAID 34,224.44
			Refund: \$ 877.56

oct 74
CLOSED

16 May 75

71-CS0088

Systems, Science and Software

CPFF (A)(11)

No	Contractor	Status	Contract Type & Authority
	(19 Apr 71 - 19 Apr 72)	(pre-contract fm N/A)	

SUBJECT: Theoretical Support for the DIAMOND Ore Test Series (U)
SPSS 71 NWER L19AAXSX301 03

\$ 75,085.00

Maj Louis J. Circeo, SPSS

Mod 1

A numerical study of the simulation of buried low yield nuclear explosions by high explosive detonations
 72 NWET L19CAXSX 301 02
 Time extension to 31 Mar 73.

\$ 73,462.00

Mod 2

Examination of Field Data from DIAMOND ONE IIB Test of S Nitromethane Configuration
 73NEWT L19DAXSX 301 02
 Time extension to 31 May 73.

\$ 12,484.00

Mod 3

Time extension to 6 Dec 74

\$

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Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FROEN: FEB 1977

To be Destroyed 0282

Brought Forward

\$

\$

Performance Completed:

6 Dec 74

Total

\$ 161,031.00

PAID

161,031.00

Contract CLOSED:

CLOSED

24 Jul 75

Refund:

\$

-0-

No	Contractor	Status	Contract Type & Authority
	(24 Mar 71 - 23 Nov 71)	(pre-contract in N/A)	

SUBJECT: Update Height-of-Burst Charts in DASA 1200
NWED, Subtask Code NA008, Work Unit Code 10

\$ 13,520.00

Mr. Belliveau, SPLN

Mod 1 Incorporation of advance agreement covering computer services.

Mod 2 Time extension to 30 June 72.
Clarification of advance agreement for computer services.

Mod 3

Mod 4

Mod 5

Mod 6

Mod 7

Mod 8

Brought Forward

Performance Completed:

Contract CLOSED:

Total PAID \$ 13,520.00
13,520.00

Refund: \$ -0-

CLOSED

Aug 74
Jul 80

30 Jun 72

5 Oct 73

No	Contractor	Status	CPEE (a)(11) Contract Type & Authority
	(15 Mar 71 - 14 Feb 72)	(pre-contract in 1MAR71)	
SUBJECT: Study of Dust Generation by MIRV Weapons (U)			\$ 79,000.00
NWER, SA001 Work Unit 19			
Major Leech, SPSS			
Mod 1	Additional work. 72 NWED SA 001 24 Time extension to 14 Jan 73.		\$ 89,694.00
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FROEN: FEB 1977			
To be Destroyed Oct 72			
Brought Forward			\$
Performance Completed: Oct 72			Total \$ 168,694.00
			PAID 167,507.00
Contract CLOSED: CLOSED 12 Dec 75			Refund: \$ 1,187.00

71-C-0091

General Research Corp.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(18 Mar 71 - 17 Dec 71)	(pre-contract in N/A)	

SUBJECT: Systems Interactions Considering Nuclear Effects (U)
1971 NWER SC061.09 SG 3440

\$ 24,747.00

JR
3-15-71*Lt Mering S P S*

Mod 1 Time extension to 30 Jun 73.
Additional task
7

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$ 24,747.00

\$ 24,509.00

Total

\$ 238.00

Performance Completed:

6 Feb 74

Contract CLOSED:

26 June 81

Refund: \$

NOV 10 1981
DEC 87

LOG OF CONTRACTUAL ACTIONS

71-C-0092 Gulf Oil Corp, Gulf Radiation Tech

CPFF (a)(11)

Contractor	Status	Contract Type & Authority
(1 Apr 71 - 15 Apr 72) (pre-contract in 16 Feb 73) \$15,000		
SUBJECT: Experimental & Theoretical Investigations of the Functional Dependencies of Rapid Annealing. NWERTF 060 10 Mai Kennedy. RAEV		\$ 124,868.00
Mod 1 Additional tasks - Effort to Maintain & Operate Accelerator Fast Assembly - III 72 NWED TE 060 17 Time extension to 31 Oct 72.		\$ 116,200.00
Mod 2 Time extension to 28 Feb 74. Support Services & other Studies 73 Z99QAXTE 060 32		\$ 99,920.00
Mod 3 Conduct a meeting on the radiation effects on quartz. 73 NWED Z99QAXTE060 32		\$ 42,600.00
Mod 4 Time extension to 31 Jan 81		\$ -----
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
Performance Completed 31 Aug 81		Total \$ 383,588.00
Contract CLOSED: 1 May 81		PAID: \$ 383,588.00
ent to WNRC NOV 10 1981	To be destroyed: Dec 84	Refund: \$ - 0 -

71-C-0093

Agbabian-Jacobsen Associates

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(15 Mar 71 - 6 Sep 71)	(pre-contract in N/A)	

SUBJECT: Revise "Nuclear Geoplosics" - Part II--Mechanical Properties \$ 24,949.00
 SPSS of Earth Materials.
 71 NWER SB 047 35

Mr. C. R. McFarland, SPSS

Mod 1	Time extension to 13 Dec 71.	\$ --
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Mod 2		\$
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Mod 3		\$
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Mod		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8	Sent to EGEN: <i>Aug 74</i> T. <i>July 80</i>	\$
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Brought Forward	\$
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Performance Completed:

*13 Dec 71***CLOSED**

Total Paid	\$ 24,949.00
	<u>24,949.00</u>

Contract CLOSED:

25 Jul 73

Refund:	\$ -0-
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71-C-0094

Stanford Research Institute

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(22 Mar 71 - 31 May 72)	(pre-contract fm N/A)	

SUBJECT: Dynamic Properties of Rock Required for Prediction Calculations \$ 80,728.00
 SPSS ARPA No. 1317 Program 1F 10 02

6/1
13 Mar 71
Mr. C. B. McFarland, SPSS

Mod 1 Time extension to 30 November 1972. \$ --

10
17 Oct 71
Mod 2 Time extension to 30 Sep 73 \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to ARPA

To [unclear]

Aug 74
Jul 80

Brought Forward \$

ance Completed:

Aug 73

Total PAID \$ 80,728.00
 80,728.00

CLOSED:

CLOSED

30 Aug 74

Refund: \$ -0-

No Contractor Status
(8 Mar 71 - 1 Dec 71) (pre-contract in N/A)

SUBJECT: III D-2 Program.
NWER, Subtask Code 302, Work Unit Code 16

\$102,000.00

Res
Maj. Jackson, SPAS

Mod 1 Add incremental funding 302.16 \$ 239,401.00

Mod 2 Additional work. 302.16 \$ 28,584.00
Fabrication of 1 3DQP cylinder.

Mod 3 Fabricate and delivery 2 cylinders \$ 60,461.00
UK 3
72 NWED AC 302 21
Time extension to 19 Jan 72.

Mod 4 Preliminary design of a 3D quartz phenolic RV configuration \$112,734.00
& fabrication of 3 models
72 NWED AC 302 22

Mod 5 Change appropriation in P00003 and P00004 \$ --

Mod 6 Additional funds for cost growth \$ 13,620.00
72 NWED AC 302 16

Mod 7 Additional tasks \$251,558.00
72 NWED AC 302 04
Time extension to 31 May 73.

Mod 8 III D 2 FOC 4 Fabrication \$ 604,411.00
73 N99QAXAC 302 25
Time extension to 31 Oct 73.

Brought Forward

\$

Performance Completed:

Total

\$3,279,680.00

Contract CLOSED:

Sent to FROEN: Dec 77
To be Destroyed Oct 83

Paid

\$3,258,420.40

Refund:

\$ 21,259.50

LOG OF CONTRACTUAL ACTIONS

71-C-0095

AVCO CORP.

Contractor (Status) (pre-contract fm	Contract Type & Authority
SUBJECT:		\$

Mod 9	Additional work. (British money)	\$ 647,500.00
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Mod 10	Add incremental funding.	\$519,805.00
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Mod 11	Fabrication Additions and Cost Growth.	\$ 374,217.00
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Mod 12	Additional work Time Extension - 31 Dec 73	\$ 114,949.00
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Mod 13	Evaluate 3DQP heatshield performance in nuclear and reentry environments. 21-11X8242.UK3 020-UWE - \$152,640. (British money) 21-11X8242.UK3 020-UZJ - 57,800. Time extension to 31 Jan 74	\$ 210,440.00
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Mod 14	To correct a mistake in appropriation.	\$ --
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Mod 7		\$
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Mod 8		\$
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Performance Completed: 1 Feb 74	Total	\$
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Contract CLOSED:	PAID:	\$
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Ent to WNRC	To be destroyed:	Refund:	\$
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No	Contractor	Status	Contract Type & Authority
	(15 Mar 71) - 14 May 72)	(pre-contract in 1 Mar 71) (\$2,500)	
SUBJECT: Computer devise output and test environment for an underground nuclear test. NWET, Subtask: J24AAXYX965, Work Unit 03 CDR Schatz, SPTE			\$ 69,301.00
Mod 1	Time extension to 28 Jun 73		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Brought Forward			\$

Performance Completed: 23 Jun 73

Total PAID \$ 69,301.00
69,301.00

Contract CLOSED:

CLOSED

11 Apr 75

Refund: \$ -0-

Sent to PROEN: SEP 1975
To be Destroyed Jan 1981

No.	Contractor	Status	Contract Type & Authority
	(24 May 71 - 24 Nov 71)	(pre-contract fm N/A)	

SUBJECT: Comparison of water wave generation from nuclear and high explosive sources at shallow depth of burial \$ 24,800.00
 SPLN 71 NWED NA 003 12

Mr. Louis J. Belliveau

Mod 1 Physics of Near Surface Underwater Bursts \$ 44,425.00
 72 NWED NA003 17
 Time extension to 30 Apr 73..

Mod 2 Time extension to 30 Jun 75 \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: FEB 1977

To be Destroyed Oct 82

Brought Forward \$

Performance Completed 30 Apr 75 Total \$ 69,225.00
 PAID 69,225.00

Contract CLOSED:

Refund: \$ -0-

CLOSED 13 Feb 76

71-C-0098

Paul Weidlinger

CPFF (a)(11)

Contractor

Status

Contract Type
& Authority

(12 Apr 71 - 11 Jan 72) (pre-contract in N/A)

SUBJECT: Analytical Study of Close-in Effects from a Nuclear
Explosion Investigation.

\$ 20,000.00

NWER, Subtask SC061, Work Unit 10

Lt. Goering, USN, SPSS

Mod 1

Continuation of work

\$ 40,076.00

72 NWED SC 061 13

Time extension to 11 Feb 73.

Mod 2

Additional work

\$ 60,666.00

73NWED Y99QAXSC061 18

Time extension 11 Apr 74.

Mod 3

Continuation of work
75 NWED Y99QAXSC061 32

\$ 35,007.00

Time extension to 11 Jun 75

Mod 4

Extension of Analytic Studies of Soil-Structure Interaction
Problems

\$ 14,699.00

Time extension to 30 Sep 75

FY75 NWED Y99QAXSC061 32

Mod 5

Time extension to 10 Nov 76

\$ --

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$ 170,448.00

Total

\$ 170,439.83

Performance Completed: 10 NOV 76

Contract CLOSED: 03 July 78

Dec 78

Dec 84

Refund:

\$ 8.17

1-C-0099

General Research Corp.

CPFF (a)(11)

Contractor

Status

Contract Type

(27 Apr 71 - 30 Apr 72) (pre-contract fm N/A)

& Authority

SUBJECT: Effects of Striations on BMD Radar (U)

\$ 59,545.00

RAAE

71 NWER HC 064 07

Mr. Evelyn, RAAE

Mod 1

Time extension to 7 Nov 72.

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FREEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed: 7 Nov 72

Total \$ 59,545.00
PAID 59,545.00

Contract CLOSED:

CLOSED 14 Mar 75

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(10 May 71 - 10 Jul 72)	(pre-contract in N/A)	

SUBJECT: Holographic Study of Wave Propagation in Granite.
ARPA Order 1468, Amend #1, Prog Code 1F10

\$110,913.00

112
34-71

03

Mr. C. McFarland, SPSS

Mod 1	Optical measurements of the Response of Geologic materials ARPA 1468, Amend 5 Time extension to 30 Apr 73.	\$ 68,000.00
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Mod 2	Time extension to 6 Sep 74	\$ --
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward	\$
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Performance Completed:

6 Sep 74

Total \$ 178,913.00

PAID: 177,444.74

Contract CLOSED:

29 MARCH 77

Sent to FREEN: Dec 77
To be Destroyed Oct 83

Refund: \$ 1,468.26

0101 - 0125

LOG OF CONTRACTUAL ACTIONS

71-C-0101 Lulejian and Associates, Inc.		CPFF (a)(11)
No.	Contractor (1 Apr 71 - 31 Mar 72) (pre-contract fm 4 Jan 71) \$68,000	Contract Type & Authority
SUBJECT: Long Range Assessment of the Threat to U.S. Second Strike Potential		\$ 288,300.00
Dr. Nils F. Wikner, ODDR&E		
Mod 1	Continuation of work 72 (MIPR 72-13 from ODDR&E) Time extension to 30 Jun 73	\$ 308,508.00
Mod 2	additional work MIPR 70 -	\$ 129,086.00
Mod 3	Include OH negotiated Clause.	\$ 1,431.21
Mod 4	Cost Overrun OSD MIPR 72-13/1	\$
Mod 5		\$
Mod 6		\$
Mod 7		\$

Performance Completed: JULY 73

Total \$ 727,325.

Contract Closed: 20 OCT 78

PAID: \$ 727,325.

Sent to WNRC: NOV 1979

Refund: \$ -0-

To Be Destroyed: Dec 85

Contract Type
& Authority

No

Contractor

Status

(25 Mar 71 - 31 Dec 71) (pre-contract in N/A)

SUBJECT: Participation in Summer Study at Corina, Italy.
NWER Subtask Code HDO28, Work Unit 10

\$ 5,000.00

Dr. C. Blank, RAAE

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN:
To be DestroyedAug 74
Jul 79

\$

Brought Forward

\$

Performance Completed: 3 Jan 1972

Total \$ 5,000.00

AM PAID: 5,000.00

Contract CLOSED:

Refund: \$ - 0 -

14 Aug 72

CLOSED

71-6-0103

R&D Associates

CPFF (a)(1)

Contractor**Status****Contract Type
& Authority**

(1 May 71 -31 Jul 72) (pre-contract fa N/A)

SUBJECT: Nuclear Weapons Effects Studies
 DDST 71 NWER DB 001 06

\$ 575,635.00

Dr. Marvin C. Atkins, DDST

Mod 1

Further analysis
 72 NWED DB 001 06

\$ 123,274.00

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

See 71-6-0103
 To R&D Associates

Aug 74
 Jul 80

Brought Forward

\$

Performance Completed:

31 Jul 72

CLOSEDTotal
PAID

\$ 698,909.00
697,124.86

Contract CLOSED:

Refund:

\$ 1,784.14

31 Oct 73

No	Contractor	Status	Contract Type & Authority
	(12 Apr 71 - 30 Apr 72)	(pre-contract fm 1 Feb 71) \$20,000	
SUBJECT:	Proposal for EMP Environment Studies		\$ 74,020.00
RAEV	71 NWED EA 091.03		
	Maj Frank S. Vajda, RAEV		
Mod 1	Additional work. 72 EA 091 03 = \$250,000 \$150,645 72 EA 094 05 = \$35,000 \$35,154 Time extension to 30 Apr 73		\$ 185,799.00
Mod 2	Close-in EMP Environment Calculations SAMSO MIPR FY 76167200039 72 EA 094 06		\$ 73,191.00
Mod 3	Time extension to 30 Sep 73		\$ --
Mod 4	Additional tasks 74 NWED Q93QAXEA 091 43 SAMSO MIPR FY 76167400071 Time extension to 30 Nov 74		\$ 173,796.00
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FRCEN: FEB 1977			
To be Destroyed Oct 82			
Brought Forward			\$
Performance Completed:	30 Sep 74	Total	\$ 506,806.00
		PAID	506,788.77
Contract CLOSED:	30 Sep 74	Refund:	\$ 17.23

Contractor

Status

Contract Type

(3 May 71 - 2 Sep 71) (pre-contract in N/A)

& Authority

SUBJECT: Re-Analyze Iron Spectral Measurements Made under Under
 RARP DASA Contract DA-49-146-XZ-482.
 71 NWER PE 072 05

\$ 5,976.00

Capt Dean C. Kaul, RARP

Mod 1 Time extension to 14 Aug 72.

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

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Mod 6

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Mod 7

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Mod 8

\$

Sent to FRCEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

Performance Completed: 14 Aug 72

Total \$ 5,976.00
 PAID 5,976.00

Contract CLOSED: 26 Aug 76

Refund: \$ -0-

No.	Contractor	Status	Contract Type & Authority
	(20 Apr 71 - 28 Feb 72)	(pre-contract fm N/A)	
SUBJECT: Continuous Studies of Nuclear Clouds from Surface and Near-Surface Bursts. 71 NWER PD 013 01 Maj Joseph R. Cote, RARP			\$ 39,766.00
Mod 1	Additional costs expended by contractor. 72 NWED PD 013 06 Time extension to 30 Jun 72		\$ 2,995.00
Mod 2	Time extension to 5 Mar 73.		\$ --
Mod 3	OH and G&A Rate Adjustment FY72 NWED A PD013 06		\$ 1,894.00
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to FRCEN: SEP 1975 To be Destroyed Jul 1981		\$
Brought Forward			\$
Performance Completed:	5 Mar 73	Total PAID	\$ 44,655.00 44,655.00
Contract CLOSED:	CLOSED 17 Oct 74	Refund:	\$ -0-

No	Contractor	Status	Contract Type & Authority
	(15 May 71 - 31 May 72)	(pre-contract in N/A)	

SUBJECT: Development and Testing of a High Efficiency Bomb Calorimeter \$ 36,250.00
 SPAS 71 NWET J11AAXAX004 28

Capt G. P. Crotwell, Jr., SPAS

Mod 1	Time extension to 30 Nov 72	\$	--
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Mod 2		\$	
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Mod 3		\$	
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Mod 4		\$	
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Mod 5		\$	
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Mod 6		\$	
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Mod 7		\$	
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Mod 8		\$	
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Brought Forward

Performance Completed:

NOV 72

Total PAID \$ 36,250.00
 36,250.00

Contract CLOSED:

CLOSED

30 Jul 74

Refund: \$ -0-

71-C-0109

Kaman Sciences Corp.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(14 Apr 71 - 14 Oct 71)	(pre-contract fm N/A)	

SUBJECT: DIDO QUEEN
 RTE SPTE 71 NWET J24AAXYX966 02

\$24,900.00

CDR Robert G. Schatz, STSP

Mod 1 Incorporation of advance agreement covering computer services --

Mod 2 Time extension to 30 Jun 72.
 Clarification of Advance agreement for computer services.

\$

--

Mod 3 Time extension to 13 Oct 72.

\$

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Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FROEN: SEP 1975
 To be Destroyed Jul 1981

\$

Brought Forward

\$

\$

Performance Completed:

13 Oct 72

Total PAID

\$ 24,900.00
24,611.76

Contract CLOSED:

CLOSED 10 apr 75

Refund:

\$ 288.24

71-C-0110

Pacific-Sierra Research Corporation

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 May 71 - 30 Apr 72)	(pre-contract in N/A)	

SUBJECT: Examination of Deterents to Foreign Nuclear Testing
 ARPA 71 ARPA 1867 01

\$ 148,138.00

W.C. 5/24/71
 Dr. R. A. Black, ARPA

Mod 1 Additional work.
 72 ARPA 1867 01
 Time extension to 15 Mar 73

\$ 195,675.00

W.C. 7/10/71
 Mod 2 Additional work
 73 M99QAVYX91204
 APRA #1867/4
 Time extension to 31 Dec 73

\$ 178,335.00

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FROEN: SEP 1975
 To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed:

19 Jul 72

Total \$ 522,148.00

PAID 522,041.46

Contract CLOSED:

CLOSED

26 Mar 75

Refund: \$ 106.54

71-C-0111

Physics International Co.

CPFF

No	Contractor	Status	Contract Type & Authority
	(12 Apr 71- 15 Oct 71)	(pre-contract fm 15 Mar 72)	
		\$13,000	
SUBJECT: Pulsed Field Emission Discharge Sustainers RARP 71 NWER PF 001 01			\$ 49,802.00

Maj George H. Connor, Jr., RARP

Mod 1	Time extension to 18 May 72.	\$ --
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Mod 2	Additional funds to cover OH adjustments NWER PF 001 01	\$ 380.00
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward	\$
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Performance Completed: 18 May 72	Total PAID	\$ 50,182.00
Contract CLOSED: 9 Apr 74		<u>49,990.85</u>
	Refund:	\$ 191.15

CLOSED

71-C-0112

AVCO Everett Research Lab.

CPFF (a)(11)

Mc	Contractor	Status	Contract Type & Authority
	(1 May 71 - 31 Jul 72)	(pre-contract in N/A)	
SUBJECT:	UV Measurement.		\$ 68,563.00
RAAE	71 NWET K43FAXHX687 01		
	Capt Johnson, RAAE		
Mod 1	Plasma Momentum coupling experiment 72 NWET L25BAXHX 687 01 Time extension to 30 Apr 73.		\$ 127,709.00
Mod 2	Time extension to 31 Mar 74. Continuation of work. 73 NWET L25BAXHX 687 02		\$ 94,716.00
Mod 3	Theoretical Nuclear Studies 73 NWET L25BAXHX 687 02		\$ 44,740.00
Mod 4	Proposal for Plasma Momentum Coupling Experiment FY73 NWET L25BAXHX687 02 Time extension to 30 Jun 74		\$ 31,226.00
Mod 5	Time extension to 27 Nov 74		\$ -----
Mod 6			\$
Mod 7			\$
Mod 8			\$
		Brought Forward	\$

Performance Completed:

27 Nov 74

Sent to FROEN: Dec 77

Contract CLOSED:

30 Sep 77

To be Destroyed Oct 83

Total

\$ 366,954.00

Refund:

366,297.67

674.33

71-C-0113

Mathematical Applications Group, Inc.

CPFF (a)(11)

N	Contractor	Status	Contract Type & Authority
	(1 Apr 71 - 31 May 72)	(pre-contract in N/A)	

SUBJECT: Continued Development of Improved Techniques for Determining \$ 73,771.00
 RARP the Time-Dependent History of a Radiation Field Interacting
 with a Fluid Dynamic Field.
 71 NWER PA 014.14
 Dr. Robert E. Price, RARP

Mod 1	Time extension to 30 April 1973	\$	P-
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Mod 2		\$	
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Mod 3		\$	
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Mod 4		\$	
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Mod 5		\$	
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Mod 6		\$	
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Mod 7		\$	
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Mod 8		\$	
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SENT TO TROSEN: SEP 1975
 To be Destroyed Jul 1981

Brought Forward	\$
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Performance Completed: April 73

Total PAID	\$ 73,771.00
	73,771.00

Contract CLOSED: **CLOSED** 17 Oct 74

Refund:	\$ -0-
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71-C-0114

Stanford Research Institute

CPFF (a)(11)

No.	Contractor	Status	Contract Type & Authority
	(30 Mar 71 - 30 Jun 72)	(pre-contract in N/A)	

SUBJECT: Underground Lethality Test for MISTY NORTH
SPAS 71 NWET J32WAXBX888 03

\$ 69,881.00

W/K
30 Mar 71
Mr. M. J. Rubenstein, SPAS

10 72
4/2
Mod 1

Time extension to 31 Mar 74

\$ —

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN: SEP 1975
To be Destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed:

1 Jan 73

Total

\$ 69,881.00

PAID

69,881.00

Contract CLOSED:

CLOSED 17 Oct 74

Refund:

\$ -0-

71-C-0115 Effects Technology, Inc.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 Apr 71 - 31 Mar 72)	(pre-contract in 15 Mar 71)	
		\$3,500+	
SUBJECT: Lethality - Impulse Generation and Material Response (U)			\$ 49,238.00
SPAS 71 NWER AA 115 02			

Mr. M. J. Rubenstein, SPAS

Mod 1	Time extension to 31 Jan 74.	\$ --
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Brought Forward	\$
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Performance Completed: Oct 73

Contract CLOSED: 13 April 1977

Sent to FRCEN: Dec 77
To be Destroyed Oct 83

Total \$ 49,238.00

PAID 49,238.00

Refund: \$ -0-

71-C-0116

AVCO Corp. (AVCO Systems Div)

CPFF (a)(11)

Contractor

Status

Contract Type
& Authority

(5 Apr 71 - 5 Jan 72) (pre-contract in N/A)

SUBJECT: R/V Shielding.Optimization Studies
SPAS 71 NWER AB 231 16

\$ 99,281.00

Maj R. E. Jackson, SPAS

Mod 1 Time extension to 30 Sep 72.

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

\$

Performance Completed: 30 Sep 72

Total \$ 99,281.00
PAID 97,763.66

Contract CLOSED: 10 June 1976

Refund: \$ 1,517.34

71-C-0117

Abaris Corporation

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(5 Apr 71 - 4 Apr 72)	(pre-contract in N/A)	
SUBJECT: Computer Analysis of Ship Damage (UNCL) OSDA - ODDR&E			\$ 99,800.00
Dr. Wikner, OSD			
Mod 1	Time extension to 4 Apr 73		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Brought Forward			\$
Performance Completed: 4 Apr 73			Total \$ 99,800.00
Contract CLOSED:			PAID 99,800.00
			Refund: \$ -0-

28 Feb 74

No	Contractor	Status	Contract Type & Authority
	(1 May 71 - 6 May 72)	(pre-contract fm N/A)	
SUBJECT: DELFIC System Modification FY71 NWER PD 068 04			\$ 34,821.00
W/C 41371 Maj. J. Cote, RARP			
Mod 1	Time extension to 31 Dec 72.		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to FRCEN: SEP 1975 To be Destroyed Jul 1981		\$
Brought Forward			\$
Performance Completed: 27 Dec 72			Total \$ 34,821.00 PAID 34,821.00
Contract CLOSED: CLOSED 18 Oct 74			Refund: \$ -0-

71-C-0119

Physics International Corp.

CPTF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(7 Apr 71 - 31 Aug 71)	(pre-contract in N/A)	

SUBJECT: Debris Barrier Evaluation Study

\$ 36,100/00

TCDT-T 71 J24AAXEX888 03

SPTE

LTC William E. Winehillier, TC

Mod 1 Additional funds to cover delays
71 J24AAXEX888 03

\$ 824.00

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

vance Completed: 31 Aug 71

9 Oct 73

Total PAID	\$ 36,924.00
	<u>36,924.00</u>

t CLOSED:

CLOSED

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(1 May 71 - 30 Apr 72)	(pre-contract fm N/A)	
SUBJECT:	Aircraft Radiation Analysis System		\$ 10,000.00
RARP	71 NWER PE 072 06		
	Cpt Dean C. Kaul, RARP		
Mod 1	Add incremental funding. 72 NWED PE 072 07		\$ 68,911.00
Mod 2	Weapon Delivery Analysis for F-106 Time extension: 31 Mar 73.		\$ 4,778.00
Mod 3	Time extension to 20 Jul 73		\$ --
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to FRECEN: To be Destroyed Jul 1981	SEP 1975	\$
	Brought Forward		\$
Performance Completed:	20 Jul 73	Total PAID	\$ 83,689.00 83,689.00
Contract CLOSED:	CLOSED. 20 Aug 74	Refund:	\$ -0-

Performance Completed:

20 Jul 73

Contract CLOSED:

CLOSED 20 Aug 74

No	Contractor	Status	Contract Type & Authority
	(20 Apr 71 - 31 Jul 72)	(pre-contract in N/A)	
SUBJECT: Validation and Improvement of a Simplified Fallout Model for \$ 59,822.00 RARP Damage Assessment Derived from DELFIC (SIMDEL) 71 NWER PD 071 02 Maj Joseph R. Cote, RARP			
21 Jan 73 Mod 1	Time extension to 21 Jan 73		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	To be Destroyed	Aug 74 Sep 80	\$
Brought Forward			\$
Performance Completed: 15 Jan 73		Total PAID	\$ 59,822.00
Contract CLOSED:		Refund:	\$ -0-

CLOSED

11 Oct 73

No	Contractor	Status	Contract Type & Authority
	(3 Jun 71 - 15 Apr 72)	(pre-contract in N/A)	

SUBJECT: Fabrication of Cylindrical Specimens
SPAS 71 NWER AA 115 04

\$114,946.00

Mr. Morton Rubenstein, SPAS

Mod 1 Add incremental Funding
72 NWED AA 115 06

\$ 155,567.00

Mod 2 Time extension to 31 Jan 73.
Additional scope of work

\$ --

Mod 3 Time extension to 30 Apr 75

\$ --

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

\$

Performance Completed:

30 apr 75

Total	\$ 270,513.00
PAID	265,743.76

Contract CLOSED:

CLOSED. 7 May 76

Refund: \$ 4,769.24

No.	Contractor	Status	FACILITIES
	(1 Jun 71 - 31 May 74)	(pre-contract fm)	Contract Type & Authority
SUBJECT:	FACILITIES - follow on contract DA-49-146-XZ-418		\$
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to RCEN: SEP 1975 To be Destroyed Jul 1981		\$
Brought Forward			\$
Total			\$
Refund:			\$
Performance Completed: (CLOSED) 30 Dec 74			
Contract CLOSED: 30 Dec 74			

71-C-0125

Stanford Research Institute

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(12 Apr 71 - 15 Mar 72)	(pre-contract in 7 Apr 71)	
		\$1,000	

SUBJECT: Dust Sampling on Middle Gust.
SPSS L18AAXSX 339 01

\$ 109,056.00

Maj F. J. Leech, SPSS

Mod 1 Additional costs because of delay of Event.
 72 NWET L18CAXSX 339 01
 Time extension to 9 Jun 72

\$ 9,318.00

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN: Aug 74
 To be Destroyed Jul 79

\$

Brought Forward

\$

Performance Completed: 21 Sep 72

Contract CLOSED:

20 Jan 73

CLOSED

Total \$ 118,374.00

PAID: 118,374.00

Refund: \$ - 0 -

0126 - 0160

LOG OF CONTRACTUAL ACTIONS

71-C-0126 Lockheed Missiles & Space Co. CPTF (a)(11)
 Contractor Status Contract Type
 (13 Apr 71 - 30 Sep 71) (Pre-Contract Fm) & Authority
 SUBJECT: Debris & Plasma Closure System \$ 263,494.00
 TCDT-T 71 NWET J25AAXB X888 02
 SPTS LTC William E. Winemibber TC

Mod 1 PHASE II - PHASE III \$ 114,442.00
 NWET J24AAXBX888 02
 Time extension to 30 Jun 72

Mod 2 Scope change \$ --
 Time extension to 30 Nov 72

Mod 3 Additional tasks- physical testing of material samples \$ 2,934.00
 73 NWET J24AAXBX888 02
 Time extension to 15 A Sep 73

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRECN: FEB 1977
 To be Destroyed Oct 82

Performance Completed: 4 Sep 73 Total \$ 380,870.00

Contract CLOSED: CLOSED 26 Apr 76 PAID: \$ 373,501.81

Sent to WNRC: Refund: \$ 7,368.19

Contractor**Status****Contract Type
& Authority**

(1 May 71 - 30 Jul 72) (pre-contract fm N/A)

SUBJECT: Development of Diagnostics Techniques for Application to
SPSS/ Underground Nuclear Tests
J24CAXYX984 04 (71 NWET)

\$ 131,800.00

Maj Roy A. J. Frusti, SPSS

Mod 1 Improve stemming & Containment diagnostics.
73 J24CAXYX984 18
Time extension to 30 Sep 73.

\$ 18,600.00

Mod 2 Time extension to 15 Nov 73

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: FEB 1977

To be Destroyed 0 Oct 72

Brought Forward

\$

\$

Performance Completed:

0 Oct 73

Total
PAID

\$ 150,400.00
150,400.00

Contract CLOSED:

CLOSED

2 Oct 75

Refund:

\$

-0-

No	Contractor	Status	Contract Type & Authority
	(26 Apr 71 - 25 Feb 72)	(pre-contract fm N/A)	

SUBJECT: Instrumentation for Dust Cloud Parameter Measurement in
 SPSS MIDDLE GUST Experiments
 71 NWET L18AAXSX339 02

\$ 118,900.00

Maj F. J. Leech, SPSS

Mod 1 Additional work.
 72 NWET L18CAXSX339 01

\$ 9,915.00

Mod 2 Additional funds to cover costs not originally anticipated.
 72 NWET L18CZXSX 339 02
 Time extension to 17 May 72.

\$ 29,896.00

Mod 3 Time extension to 7 Aug 72.

\$ --

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

Sent to FRCEN: SEP 1975
 To be destroyed Jul 1981

\$

Brought Forward

\$

Performance Completed:

7 Aug 72

Total \$ 158,711.00
PAID 158,240.06

Contract CLOSED:

CLOSED

28 May 75

Refund: \$ 470.94

Contractor

Status

Contract Type
& Authority

(1 May 71 - 15 Jul 71) (pre-contract in N/A)

SUBJECT: Near Field Calculations for Seismic Predictions
AEC (Order NV-71-26)

\$ 24,935.00

Mod 1 Change paying office to AEC

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: FEB 1977
To be Destroyed Oct 82

Brought Forward

\$

Performance Completed:

15 July 71

Total \$ 24,935.00
PAID 24,935.00

Contract CLOSED:

CLOSED 28 May 76

Refund: \$ -0-

71-C-0130

Physics International Co.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(7 Apr 71 - 5 Dec 71)	(pre-contract in N/A)	

SUBJECT: Simulation Testing of Stemming and Containment Instrumentation \$ 30,060.00
 SPSS 71 NWET J24CAXYX984 03

UK 8/2/71
 Maj Roy A. J. Frusti, SPSS

PA 11 Aug 72
Mod 1 Time extension to 31 Oct 72. \$ 1,674.00
 Funds to cover indirect cost adjustments for FY72.
 72 J24CAXYX984 16

ID 22 Nov 72
Mod 2 Time extension to 15 Dec 74 \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: SEP 1975
 To be Destroyed *Jul 1981*

Brought Forward \$

Performance Completed:

NOV 74

Total \$ 31,734.00
 PAID 31,718.42

Not CLOSED:

CLOSED

Refund: \$ 15.58

No	Contractor	Status	Contract Type & Authority
	(1 Jun 71 - 30 Nov 71)	(pre-contract fm N/A)	
SUBJECT: Design a Neutron-Gamma Filter-Converter for an Underground Nuclear Test (U) J24AAXYX966 03 NWET 71 CDR Robert G. Schatz.			\$19,258.00
Mod 1	Time extension to 19 Mar 73		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to FRCEN: SEP 1975 To be Destroyed Jul 1981		\$
Brought Forward			\$
Performance Completed: 19 Mar 73			Total \$19,258.00
Contract CLOSED: CLOSED 14 Mar 75			PAID 19,258.00
			Refund: \$ -0-

71-C-0132 Kaman AvIDyne

CPFF (a)(11)

Contractor**Status****Contract Type
& Authority**

(24 Jun 71 - 30 Jun 72) (pre-contract in N/A)

SUBJECT: A Preliminary Evaluation of nuclear weapon effects on
SPLN Boron-Composite Structures
NWED NB 003 06 (MIPR FX 2826-71-05329)

\$ 22,200.00

Mr. Louis J. Belliveau, SPLN

Mod 1 Add incremental funding
(MIPR-AFSC (Ohio)-NWED NB 003 06

\$ 7,752.00

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FREEM: FEB 1977

To be Destroyed Oct 82

Performance Completed: 30 Sep 72

Contract CLOSED:

CLOSED

17 Sep 75

Total \$ 29,952.00**PAID:** \$ 29,924.47**Refund:** \$ 27.53

N:	Contractor	Status	Contract Type & Authority
	(10 May 71 - 9 Jul 71)	(pre-contract fm N/A)	
SUBJECT: Determine the Impact of Adding Air Refueling Receiver Fuel System to KC-135 Aircraft, S/N 55-3120 71 NWET K20AAXYX931 02 TC Mr. William S. Isengard TC			\$ 14,689.00
Mod 1	Time extension to 1 Nov 71.		\$ ---
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to PROEN: To be Destroyed		\$
Brought Forward			\$
Performance Completed:	1 Dec 71		Total PAID \$ 14,689.00 14,445.84
Contract CLOSED:	CLOSED		Refund: \$ 243.16

CLOSED*12 NOV 73*

NDRC (name change)
71-C-0134 Nuclear Defense Research Corp.

CPFF (a)(11)

Contractor	Status	Contract Type & Authority
(1 May 71 - 31 Jan 72)	(pre-contract in N/A)	

SUBJECT: Research in connection with cataloging selected X-Ray material \$ 22,061.00
and structural response experiments
SPAS 71 NWER AC 301 04

Mr. D. J. Kohler, SPAS

Mod 1	Continuation of work. 72 NWED AC 301 12 Time extension to 31 Dec 72.	\$ 15,921.00
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Mod 2	Time extension to 30 Nov 73 Continuation of work. 73 NWED N99QAXAC301 15	\$ 14,152.00
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Mod 3	Time extension to 1 Mar 74	\$ ---
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8	Sent to FREEN: SEP 1975 To be Destroyed Jul 1981	\$
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Brought Forward \$

Performance Completed: 1 Mar 74
Contract CLOSED: **CLOSED** 26 Mar 75

Total PAID	\$ 52,134.00 51,871.23
Refund:	\$ 262.77

N:	Contractor	Status	Contract Type & Authority
	(1 Jun 71 - 31 Jul 72)	(pre-contract in N/A)	
SUBJECT: Calculate the X-Ray Output from Laser-induced Detonations and RARP for continuation of non-LTE Studies 71 NWER PA 010 09			\$ 59,983.00
Dr. Robert E. Price, RARP			
Mod 1	Time extension to 8 Nov 72.		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to EROEN: SEP 1975 To be Destroyed Jul 1981		\$
Brought Forward			\$
Total			\$ 59,983.00
PAID			59,983.00
Refund:			\$ -0-
Performance Completed: 8 Nov 72			
Contract CLOSED: CLOSED 10 Mar 75			

71-C-0136

Mission Research Institute ^{Corp.}

CPFF (a)911)

Contractor	Status	Contract Type & Authority
(1 May 71 - 31 Jul 72)	(pre-contract fm 1 Apr 71)	
	\$5,000	

SUBJECT: Conduct Research in Nuclear Induced Atmospheric Ionization and Chemistry
RAAE 71 NWER HC 061 43

Cpt Thomas H. Johnson, RAAE

Mod 1	Ionospheric Chemistry & Ionization 72 NWED HC 061 43 Time extension to 31 May 73.	\$ 99,511.00
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Mod 2	Time extension to 12 Apr 74	\$ --
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Mod 3	Adjust OH Rates FY71 NWER AHC061 43	\$ 881.50
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
--------------	--	----

Mod 8		\$
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Sent to FRCEN: FEB 1977

To be Destroyed 0 Oct 82

Brought Forward \$

Performance Completed: 12 Apr 74	Total PAID	\$ 249,049.50
		249,049.50

Contract CLOSED: 26 Aug 76	Refund:	\$ =0=
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71-C-0137 Applied Theory, Inc.

CPFF (a)(11)

Contractor	Status	Contract Type & Authority
(1 May 71 - 31 Aug 72)	(pre-contract in N/A)	

SUBJECT: Calculations of the Loading of Clouds with Debris in Nuclear Explosions \$ 138,714.00
 RARP
 71 NWER PD 086 02

W.K. 7/1
19 ap.
 Maj Joseph R. Cote, RARP

Mod 1 ~~XXXXXXXXXXXX~~ \$ 14,482.33
 B.S. 8/31/77
 Cost Growth
 DH 000816-71

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

C - 10 NOV 1982

D - Dec 88

Brought Forward \$

Performance Completed:

31 Dec 74

Total \$ 153,196.33

BAID: 153,196.33

Contract CLOSED:

30 SEP 82

Refund: \$ -- 0 -

No	Contractor	Status	Contract Type & Authority
	(28 Apr 71 - 30 Jun 72)	(pre-contract fm N/A)	
SUBJECT: RAAE	Altering the Biases in HF Nuclear Effects Prediction 71 NWER HB 052 01		\$ 74,749.00
	Mr. Dow E. Evelyn, RAAE		
Mod 1	Additional tasks Continuation of effort 72 NWED HB 052 03 Time extension to 10 Dec 72.		\$ 73,047.00
Mod 2	Time extension to 31 Jul 73		\$ --
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Brought Forward			\$
Total PAID			\$ 147,796.00
Refund:			\$ -0-

Performance Completed:

31 Jul 73

Contract CLOSED:

CLOSED

21 Aug 74

Sent to FREEM.
To be Destroyed

SEP 1975

Jul 1981

No	Contractor	Status	Contract Type & Authority
	(12 Apr 71 - 11 Jan 72)	(pre-contract in N/A)	
SUBJECT: LOS Pipe Experiments			\$ 61,109.00
7	SPSS	71 NWER J24CAXYX984 02	
Maj Roy A. J. Frusti, SPSS			
12	Mod 1	Additional tests for OH adjustment 73 J24CAXYX984 17 Time extension to 31 Oct 72.	\$ 4,201.00
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Brought Forward			\$
Performance Completed: Feb 73			Total PAID \$ 65,310.00 65,166.88
Contract CLOSED: CLOSED 25 Jul 74			Refund: \$ 143.12

No	Contractor	Status	Contract Type & Authority
	(28 Jun 71 - 30 Apr 72)	(pre-contract fm N/A)	
SUBJECT: Investigate Height of Burst Blast Effects at High Overpres- SPSS 71 NWER SB 047 37 sures			
	\$ 67,323.00		
	Lt Kent L. Goering, SPSS		
Mod 1	Time extension to 30 May 73 Additional tasks 73 Y99QAXSD070 08		\$ 50,273.00
Mod 2	Continuation 73 NWER Y99QAXSB 047 37 Time extension to 30 Sep 73.		\$ 24,014.00
Mod 3	Additional costs to cover cost growth 71 NWER ASB047 37 Time extension to 30 Aug 74		\$ 61,692.00
Mod 4	Time extension to 30 Oct 74		\$ -----
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Brought Forward			\$

Performance Completed:

8 Oct 74

Contract CLOSED:

13 Sep 77

Sent to FRGEN: Dec 77

To be Destroyed Oct 83

Total \$ 203,302.00

Paid \$ 202,918.75

Refund: \$ 383.25

71-C-0141 The RAND Corp.

CPFF (a)(11)

No.	Contractor	Status	Contract Type & Authority
	(1 May 71 - 30 Apr 72)	(pre-contract fm N/A)	

SUBJECT: Studies, analyses in weapons effects
RAAE 71 NWER HE 043 14

\$ 33,725.00

Mr. Dow E. Evelyn, RAAE

Mod 1

Continuation of study.
 72 NWED HE 043 15
 Time extension to 30 Sep 72.

\$ 7,000.00

Mod 2

Further studies
 73 S99QAXH E043 17
 Time extension to 30 Jun 73.

\$ 47,700.00

Mod 3

Time extension to 31 Aug 73

\$ --

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: FEB 1977
 To be Destroyed Oct 82

Brought Forward

\$

\$

Performance Completed: 31 Aug 73

Total \$ 88,425.00

PAID 88,425.00

Contract CLOSED: 13 Aug 74

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(3 May 71 - 2 Apr 72)	(pre-contract in N/A)	

SUBJECT: Predictions, of High-Altitude Nuclear-Induced Optical-Infrared Radiation(U)
71 NWER HI 004 03

\$ 54,348.00

RAAE

LTC J. R. Morgan, RAAE

Mod 1 Change from NWER to NWER

\$ --

Mod 2 Time extension to 15 Mar 73.

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: FEB 1977

To be Destroyed Oct 82

Brought Forward \$

Performance Completed: 15 Mar 73

Total \$ 54,348.00

PAID 54,348.00

Contract CLOSED:

CLOSED 17 Sep 75

Refund: \$ -0-

71-C-0143

Gulf Radiation Technology

CPFF (a)(11)

No

Contractor

Status

Contract Type
& Authority

(17 May 71 - 16 Jan 72) (pre-contract fm N/A)

SUBJECT:

Investigate the Effect of Pipe Wall Ablation on the Flow of \$ 26,594.00
an Iron Plasma

SPSS

71 NWET J25CAXYX984 05

Maj Roy A. J. Frusti, SPSS

Mod 1

Time extension to 4 Dec 72

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to EPCOT FEB 1977

To be Destroyed Oct 82

Brought Forward

\$

\$

Performance Completed:

4 Dec 72

Total

\$ 26,594.00

PAID

26,594.00

Contract CLOSED:

30 Apr 76

Refund:

\$ -0-

No	Contractor	Status	Contract Type & Authority
	(15 May 71 - 31 Aug 72)	(pre-contract fm N/A)	
SUBJECT: Prepare an Epcyclopedia of High Altitude Nuclear Weapons RAAE 71 NWER HE 043 13 Effects			\$ 124,721.00
Capt Thomas H. Johnson, RAAE			
Mod 1	Time extension to 15 Jan 73.		\$ --
Mod 2	Cost Growth FY71 NWED AHE043 13		\$ 328.06
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FRCEN: FEB 1977			\$
To be Destroyed Oct 82			\$
Performance Completed: 15 Jan 73			Total \$ 125,049.06
Contract CLOSED: CLOSED 23-2-76			PAID 125,049.06
			Refund: \$ -0-

Contractor

Status

Contract Type

(15 May 71 - 31 Aug 72) (pre-contract fm N/A)

& Authority

SUBJECT:

Completion of, the DASA Reaction Rate Handbook Revised Edition \$ 74,965.00
 for Publication and Associated Investigations.
 71 NWER HD 028 11

RAAE

Dr. Charles Blank, RAAE

Mod 1

Continuation of work
 72 NWED HD 028 11
 Time extension to 31 Oct 72.

\$ 34,991.00

Mod 2

Cost growth
 71 NWER HD 2811

\$1,388.00

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Total \$ 111,344.00

PAID: 111,342.81

Performance Completed: 31 Dec 72

Contract CLOSED: 7 DEC 77

Refund: \$ 1.19

Dec 78

Dec 84

No	Contractor	Status	Contract Type & Authority
	(10 May 71 - 10 Aug 72)	(pre-contract in N/A)	

SUBJECT: Debris Ionization Freezing in High-Altitude Nuclear Explosions \$ 58,852.00
RAAE 71 NWER HC 062 13 (U)

WK 3 May 71
Capt Thomas H. Johnson, RAAE

10 May 71
Mod 1 Time extension to 16 Jan 73 \$ --

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to ERCEM: FEB 1977

To be Destroyed Oct 82

Brought Forward \$

Performance Completed: 16 Jan 73

Total PAID \$ 58,852.00
58,852.00

Contract CLOSED: 26 Aug 76

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(18 May 71 - 30 Sep 71)	(pre-contract in N/A)	

SUBJECT: Supply Three Cylinders of AVCO Heat Shield Material \$ 25,000.00
 SPAS 71 AC 302 14

8/2
3/10/75
 Maj R. E. Jackson, SPAS

Mod 1 Add incremental funding \$ 82,765.00
 72 NWED AC 302 20

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FROEN: SEP 1975
 To be Destroyed *Jul 1981*

Brought Forward \$

Total \$ 107,765.00

Performance Completed: *Dec 71*

Contract CLOSED: **CLOSED** *30 Jun 75*

Refund: \$ 107,765.00
 -0-

No.	Contractor	Status	Contract Type & Authority
	(17 May 71 - 16 Jul 72)	(pre-contract fm N/A)	

SUBJECT: Implicit Hydrodynamic "DICE" Code
SPAS 71 NWER AA127 19

\$ 50,000.00

Cpt John Cockayne, SPAS

Mod 1 Add incremental funding
72 AA127 24 35

\$ 49,886.00

Mod 2 Computer Usage
72 NWED AA 128.05

\$ 8,157.00

Mod 3 Additional tasks
72 NWED AA 128 09
Time extension to 14 Dec 72.

\$ 95,218.00

Mod 4 Extend time for computer use.

\$ --

Mod 5 Time extension to 30 Apr 73

\$ --

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

Apr 73

Contract CLOSED:

Total
PAID\$ 203,261.00
203,261.00

Refund:

\$ -0-

CLOSED

27 NOV 73

Contractor

Status

Contract Type
& Authority

(10 May 71 - 10 May 73) (pre-contract in N/A)

SUBJECT: MIGNON MISS Design

\$ 299,755.00

STSP (MIPR 21-11X8294.UK3 020-UVM S49-146)

Cpt Celec, STSP

Mod 1 Add Model 68 Program to MIGNON MISS support
MIPR 21-11X8242.UK3 020-UVM S49196

\$ 494,240.00

Mod 2 Redirection of Model 68 Program
MIPR 21-11X8242.UK3 020-UWP R-90-25 S49196

\$ 349,921.00

Mod 3 Correct appropriation that was wrongly cited on P00002.

\$ --

Mod 4 Clarification
~~Incorporation~~ of advance agreement covering computer services

\$ --

Mod 5 Continuation of Model 68 CIP/HIP Development Program.
NWET J32RAXB X888 10

\$ 25,750.00

Mod 6 Time extension to 31 Dec 73

\$ --

Mod 7 Time extension to 31 May 1975.
Increased Scope of Work
British Money Q69VAXB888 10

\$ 9,996.00

Mod 8

\$

Performance Completed:

10 Sep 75

Contract CLOSED:

30 Apr 79

Total

\$ 1,179,662.00

PAID:

\$ 1,179,662.00

Refund:

\$ -0-

NOV 1979

Dec 85

71-C-0150 Science Applications, Inc.

CPFF (a)(11)

Contractor

Status

Contract Type
& Authority

(3 May 71 - 2 Feb 72) (pre-contract in N/A)

SUBJECT: Calculate PAR Black-out from improved Spartixan
RAAE 71 NWER HC 064 09

\$44,626.00

Lt Bart F. Rice, RAAE

Mod 1 Reduction of cost and fee

- \$ 3,863.00 (decrease)

Mod 2 Time extension to 31 May 73

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to INGEN: SEP 1975
To be Destroyed Jul 1981

Brought Forward

\$

\$

Performance Completed: 30 May 73

Total \$ 40,763.00
PAID 40,763.00

Contract CLOSED:

CLOSED

16 May 75

Refund: \$ -0-